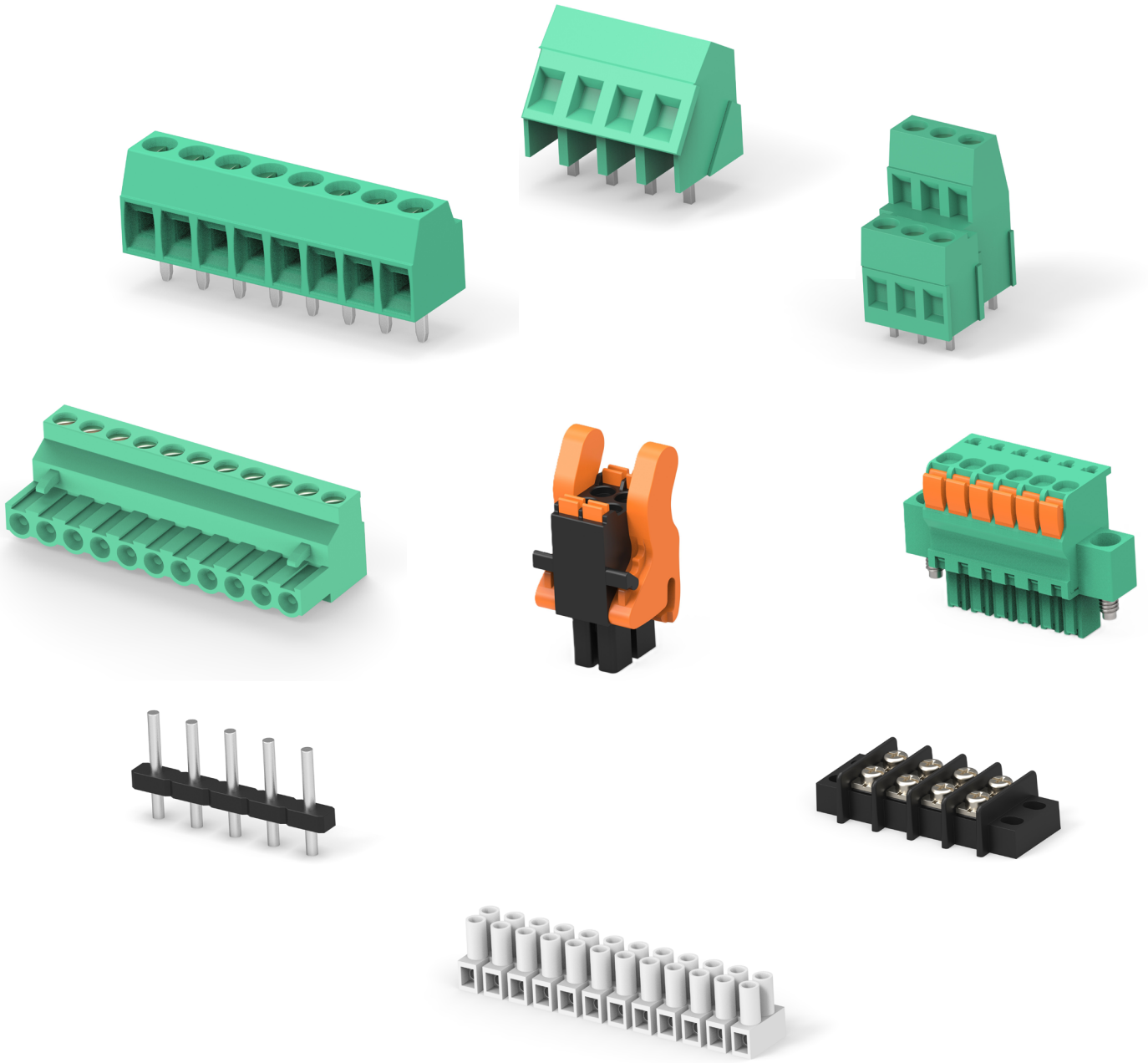
# BUCHANAN TERMINAL BLOCK PCB MOUNT CONNECTORS

Eurostyle Terminal Blocks | Barrier Strips | Europa Terminal Blocks



# BUCHANAN TERMINAL BLOCKS

## TABLE OF CONTENTS


**Index - One-Piece Terminal Blocks** ..... **page 5**
**Index - Two-Piece Terminal Block Connectors** ..... **page 7**
**Wire Termination Technology For PCB Terminal Blocks** ..... **page 10**
**Stacking Screw Clamp Connectors** ..... **page 12**
**Introduction - PCB Mount, Terminal Block Connectors** ..... **page 12**
**Rising Cage Clamp Design** ..... **page 13**
**PCB Mount, Terminal Block Connectors** ..... **page 13**
PCB Mount, 2.54 mm Centerline, Side Wire ..... page 14
PCB Mount, 3.5 mm Centerline, Side Wire Entry ..... page 15
PCB Mount W/Interlock, 3.5 mm Centerline, Top and Side Wire Entry ..... page 16
PCB Mount W/Interlock, 3.81 mm Centerline, Top and Side Wire Entry ..... page 17
PCB Mount W/Interlock, Low Profile, 5.0 mm Centerline, Top and Side Wire Entry ..... page 18
PCB Mount W/Interlock, 5.0 mm Centerline, Side Wire Entry ..... page 19
PCB Mount W/Interlock, 5.0 mm Centerline, Top and Side Wire Entry ..... page 20
PCB Mount, 5.08 mm Centerline, Side Wire Entry ..... page 21
PCB Mount W/Interlock, Low Profile, 5.08 mm Centerline, Top and Side Wire Entry ..... page 22
PCB Mount W/Interlock, 5.08 mm Centerline, Top Wire Entry ..... page 23
PCB Mount W/Interlock, 5.08 mm Centerline, Side Wire Entry ..... page 24
PCB Mount W/Interlock, 7.5 mm Centerline, Top and Side Wire Entry ..... page 25
PCB Mount W/Interlock, 7.62 mm Centerline, Side Wire Entry ..... page 26
PCB Mount, Low Profile, 10.0 mm Centerline, Side Wire Entry ..... page 27
PCB Mount, 10.0 mm Centerline, Top and Side Wire Entry ..... page 28
PCB Mount, 10.0 mm Centerline, Side Wire Entry ..... page 29
PCB Mount W/Interlock, Low Profile, 10.16 mm Centerline, Side Wire Entry ..... page 30
PCB Mount, 10.16 mm Centerline, Side Wire Entry ..... page 31
**High Current PCB Mount, Vertical Terminal Block** ..... **page 32**
PCB Mount High Current Vertical Terminal Blocks, W/Interlock, 6.35 mm Centerline ..... page 32
PCB Mount High Current Vertical Terminal Blocks ,W/Interlock, 9.52 mm Centerline ..... page 33
**PCB Mount, Terminal Block W/Angular Wire Entry** ..... **page 34**
PCB Mount W/Interlock, 5.0 mm Centerline, 35° Angled Wire Entry ..... page 34
PCB Mount W/Interlock, 5.08 mm Centerline, 35° Angled Wire Entry ..... page 35
PCB Mount W/Interlock, 9.52 mm Centerline, 35° Angled Wire Entry ..... page 36
PCB Mount W/Interlock, 5.0 mm Centerline, Bottom Wire Entry (270° Angled) ..... page 37
**PCB Mount Multi-Level Stacking Terminal Block** ..... **page 38**
PCB Mount, 1st And 2nd Level Stacking Terminal Blocks - 5.0 mm Pitch ..... page 39
PCB Mount, 2nd Level Stacking Terminal Blocks - 5.0 mm Pitch ..... page 40
PCB Mount, 3rd Level Stacking Terminal Blocks - 5.0 mm Pitch ..... page 41
PCB Mount, 1st And 2nd Level Stacking Terminal Blocks - 5.08 mm Pitch ..... page 42
PCB Mount, 2nd Level Stacking Terminal Blocks - 5.08 mm Pitch ..... page 44
PCB Mount, 2nd And 3rd Level Stacking Terminal Blocks - 5.08 mm Pitch ..... page 44
PCB Mount, 3rd Level Stacking Connectors - 5.08 mm Pitch ..... page 45
**PCB Mount, High Temperature Version Terminal Blocks** ..... **page 47**
PCB Mount 3.5 mm Centerline, Side Wire Entry ..... page 46
PCB Mount, 3.81 mm Centerline, Side Wire Entry ..... page 47
PCB Mount W/Interlock, Low Profile, 5.0 mm Centerline, Side Wire Entry ..... page 48
PCB Mount W/Interlock, Low Profile, 5.08 mm Centerline, Side Wire Entry ..... page 49
PCB Mount W/Interlock, Low Profile, 5.08 mm Centerline, Top Wire Entry ..... page 50
PCB Mount Low Profile, 10.0 mm Centerline, Side Wire Entry ..... page 51
**PCB Mount, SMD Version Terminal Blocks** ..... **page 52**
PCB Mount, SMD Version Terminal Block - 3.5 MM Pitch ..... page 52
PCB Mount, SMD Version Terminal Block - 3.81 mm Pitch ..... page 53
PCB Mount, SMD Version Terminal Block - 5.0 mm Pitch ..... page 54
**PCB Mount, Wire Protector Version Terminal Blocks** ..... **page 55**
PCB Mount, Straight, Side Wire Entry Connectors ..... page 56
**PCB Mount, Screwless Terminal Blocks** ..... **page 57**
Board Mount Screwless, 5.0 mm Pitch, Side Wire Entry, Terminal Block ..... page 57
**Two-Piece Terminal Block Connectors** ..... **page 59**
Two-Piece Terminal Block, Stackable Plug - 3.5 mm Pitch ..... page 60
Two-Piece Terminal Block, Header with Close Ends - 3.5 mm Pitch ..... page 61
Two-Piece Terminal Block, Modular Header with Open Ends - 3.5 mm Pitch ..... page 62
Two-Piece Terminal Block, Plug with Screw Flange - 3.5 mm Pitch ..... page 63
Two-Piece Terminal Block, with Screw Flange - 3.5 mm Pitch ..... page 64
Two-Piece Terminal Block, Stackable Plug - 3.81 mm Pitch ..... page 65
Two-Piece Terminal Block, Modular Plug - 3.81 mm Pitch ..... page 66
Two-Piece Terminal Block, Header With Closed Ends - 3.81 mm Pitch ..... page 67
Two-Piece Terminal Block, Modular Header With Open End - 3.81 mm Pitch ..... page 68
Two-Piece Terminal Block, Plug, with Screw Flange - 3.81 mm Pitch ..... page 69
Two-Piece Terminal Block, Header with Screw Flange - 3.81 mm Pitch ..... page 70
Two-Piece Terminal Block, Stackable Plug With Latches - 5.0 mm Pitch ..... page 71
Two-Piece Terminal Block, Modular Plug With Latches - 5.0 mm Pitch ..... page 72
Two-Piece Terminal Block, Stackable Header With Open Ends - 5.0 mm Pitch ..... page 73
Two-Piece Terminal Block, Header With Closed Ends - 5.0 mm Pitch ..... page 74
Two-Piece Terminal Block, Modular Header With Open Ends - 5.0 mm Pitch ..... page 75
Two-Piece Terminal Block, Plug with Screw Flange - 5.0 mm Pitch ..... page 76
Two-Piece Terminal Block, Header with Screw Flange - 5.0 mm Pitch ..... page 77
Two-Piece Terminal Block, Modular Plug - 5.0 mm Pitch ..... page 78
Two-Piece Terminal Block, Modular Header With Close Ends - 5.0 mm Pitch ..... page 79
Two-Piece Terminal Block, Stackable Plug With Latches - 5.08 mm Pitch ..... page 80
Two-Piece Terminal Block, Stackable Plug With Latches - 5.08 mm Pitch ..... page 82
Two-Piece Terminal Block, Modular Plug With Latches - 5.08 mm Pitch ..... page 84

# BUCHANAN TERMINAL BLOCKS


Two-Piece Terminal Block, Plug With Pins - 5.08 mm Pitch ..... page 85
Two-Piece Terminal Block, Stackable Headers With Open Ends - 5.08 mm Pitch ..... page 86
Two-Piece Terminal Block, Header With Closed End - 5.08 mm Pitch ..... page 87
Two-Piece Terminal Block, Closed End Header With Coding Keys - 5.08 mm Pitch ..... page 88
Two-Piece Terminal Block, Multilevel Header, With Close End - 5.08 mm Pitch ..... page 89
Two-Piece Terminal Block, Header With Closed End - 5.08 mm Pitch ..... page 90
Two-Piece Terminal Block, Modular Header With Open Ends - 5.08 mm Pitch ..... page 91
Two-Piece Terminal Block, Multilevel Modualr Header With Open End - 5.08 mm ..... page 92
Two-Piece Terminal Block, Header With Ejector Ears - 5.08 mm Pitch. ..... page 93
Two-Piece Terminal Block, Plug with Screw Flange - 5.08 mm Pitch ..... page 94
Two-Piece Terminal Block, Plug With Flange - 5.08 mm Pitch ..... page 95
Two-Piece Terminal Block, Header With Screw Flange - 5.08 mm Pitch ..... page 96
Two-Piece Terminal Block, Stackable Plug With Latches - 7.5 mm Pitch ..... page 97
Two-Piece Terminal Block, Header With Close Ends - 7.5 mm Pitch ..... page 98
Two-Piece Terminal Block, Stackable Plug With Latches - 7.62 mm Pitch ..... page 99
Two-Piece Terminal Block, Header With Close Ends - 7.62 mm Pitch ..... page 100
Two-Piece Terminal Block, Stackable Plug With Latch - 10.0 mm Pitch ..... page 101
Two-Piece Terminal Block, Header With Closed Ends - 10.0 mm Pitch ..... page 102
Two-Piece Terminal Block, Stackable Header With Open Ends - 10.0 mm Pitch ..... page 103
Two-Piece Terminal Block, Stackable Plug With Latches - 10.16 mm Pitch ..... page 104
Two-Piece Terminal Block, Header With Close Ends - 10.16 mm Pitch ..... page 105
**Special Plug Connectors. ..... page 106**
Two-Piece Terminal block, Stackable Plug - 5.0 mm Pitch. ..... page 106
Special Type Two-Piece Terminal Block, Stackable Plug - 5.0 mm Pitch ..... page 107
Special Type Two-Piece Terminal Block, Stackable Plug - 5.0 mm Pitch ..... page 108
Two-Piece Terminal block, Stackable Unshrouded Headers - 5.0 mm Pitch ..... page 109
**Front Style Terminal Block Plugs ..... page 110**
Front Style Plugs - 5.0mm. ..... page 111
Front Style Plugs - 5.08mm. ..... page 112
**Two-Piece Terminal Block - High Temperature Version ..... page 113**
Two-Piece Terminal Block, Header With Closed Ends - 3.5 mm Pitch. ..... page 114
Two-Piece Terminal Block, Header With Tail Length - 1.9 mm And Closed Ends - 3.5 mm Pitch ..... page 115
Two-Piece Terminal Block, Header With Screw Flanges - 3.5 mm Pitch. ..... page 116
Two-Piece Terminal Block, Unshrouded Header - 3.5 mm Pitch. ..... page 117
Two-Piece Terminal Block, Unshrouded Header With Wide Base - 3.5 mm Pitch ..... page 118
Two-Piece Terminal Block, Header With Close Ends - 3.81 mm Pitch ..... page 119
Two-Piece Terminal Block, Header With Tail Length - 1.9 mm And Closed Ends - 3.81 mm Pitch ..... page 120
Two-Piece Terminal Block, Header With Screw Flanges - 3.81 mm Pitch. ..... page 121
Two-Piece Terminal Block, Stackable Header With Open Ends - 5.0 mm Pitch ..... page 122
Two-Piece Terminal Block, Header With Closed Ends - 5.0 mm Pitch. ..... page 123
Two-Piece Terminal Block, Header With Tail Length - 2.6 mm And Closed Ends - 5.0 mm Pitch ..... page 124
Two-Piece Terminal Block, Multi-Level Header With Closed Ends - 5.0 mm Pitch. ..... page 125
Two-Piece Terminal Block, Unshrouded Header - 5.0 mm Pitch. ..... page 126
Two-Piece Terminal Block, Header With Closed Ends - 5.08 mm Pitch ..... page 127
Two-Piece Terminal Block, Header With Tail Length - 2.6mm And Closed Ends - 5.08 mm Pitch. ..... page 128
Two-Piece Terminal Block, Header With Screw Flange - 5.08 mm Pitch ..... page 129
Two-Piece Terminal Block, Multilevel Header With Closed Ends - 5.08 mm Pitch. ..... page 130
Two-Piece Terminal Block, Header With Closed Ends - 7.5 mm Pitch ..... page 131
Two-Piece Terminal Block, Header With Closed Ends - 7.62 mm Pitch. ..... page 132
**Spring Type Terminal Block Plug ..... page 133**
Spring Type Terminal Block Plug, Side Stackable - 3.5 mm Pitch. ..... page 134
Spring Type Terminal Block Plug, With Flange - 3.5 mm Pitch ..... page 135
Spring Type Terminal Block Plug, Side Stackable - 3.81 mm Pitch ..... page 136
Spring Type Terminal Block Plug - 5.0 mm Pitch. ..... page 137
Spring Type Terminal Block Plug - 5.08 mm Pitch ..... page 138
Spring Type Terminal Block Plug, With Flange - 5.08 mm Pitch. ..... page 139
**Push-In Terminal Block. ..... page 140**
Push-In Terminal block Plug - 2.5 mm Pitch ..... page 141
Push-In Terminal block Header - 2.5 mm Pitch ..... page 142
Push-In Terminal block Plug - 3.5 mm Pitch ..... page 143
Push-In Terminal block Header - 3.5 mm Pitch ..... page 144
Push-In Terminal block Plug, With Flange - 3.5 mm Pitch ..... page 145
Push-In Terminal Block Plug, Dual Row - 3.5 mm Pitch ..... page 146
Push-In Terminal Block Plug, Dual Row, With Flange - 3.5 mm Pitch ..... page 147
Push-In Terminal Block Plug, Dual Row, With Lever - 3.5 mm Pitch ..... page 148
Push-In Terminal block Header, With Flange - 3.5 mm Pitch ..... page 149
Push-In Terminal Block Header, Dual Row, With Flange - 3.5 mm Pitch. ..... page 150
Push-In Terminal Block Header, Dual Row, With Side Latch - 3.5 mm Pitch ..... page 151
Push-In Terminal block Plug - 3.81 mm Pitch ..... page 152
Push-In Terminal block Header - 3.81 mm Pitch. ..... page 153
Push-In Terminal block Plug, With Flange - 3.81 mm Pitch. ..... page 154
Push-In Terminal block Header, With Flange - 3.81 mm Pitch ..... page 155
Push-In Terminal Block Header, Dual Row - 3.81 mm Pitch ..... page 156
Push-In Terminal block Plug - 5.0 mm Pitch. ..... page 157
Push-In Terminal block Header - 5.0 mm Pitch ..... page 158
Push-In Terminal block Plug - 5.08 mm Pitch ..... page 159
Push-In Terminal block Header - 5.08 mm Pitch ..... page 160
Push-In Terminal block Plug, With Flange - 5.08 mm Pitch ..... page 161
Push-In Terminal block Header, With Flange - 5.08 mm Pitch ..... page 162
Push-In Terminal Block Plug, Dual Row - 5.08 mm Pitch ..... page 163
**Header, Straight Mount ..... page 164**

Header Straight Mount, Unshrouded 5.00 mm Pitch ..... page 164
**Labeling ..... page 165**
**Accessories ..... page 166**
Polarization Keys ..... page 166
Wire Ferrules ..... page 167
**Application Tooling ..... page 169**
**Barrier Strips ..... page 170**
Barrier Strip Selector Chart ..... page 171
Catalog Number Code ..... page 173
Barrier Strips – Overview ..... page 175
**Tri-Barrier Strips** ..... page 176
#3 Series Tribarrier - .250"/6.35mm ..... page 178
#4 Series Tribarrier - .325"/8.25mm ..... page 184
#6 Series Tribarrier - .375"/9.53mm ..... page 186
#8 Series Tribarrier - .4375"/11.1mm ..... page 195
**Dual Barrier Strips** ..... page 199
High Density .250 Dual Barrier - .250"/6.35mm ..... page 200
4DB Series Dual Barrier - .325"/8.25mm ..... page 203
JC6 Series Dual Barrier - .375"/9.52mm ..... page 206
NC6 Series Dual Barrier - .375"/9.53mm ..... page 209
SSB7 Series Dual Barrier - .4375"/11.1mm ..... page 211
**Double-Row, Dual Barrier Strips** ..... page 216
Double-Row, Dual Barrier Strips - .374"/9.5mm ..... page 218
Double-Row, Dual Barrier Strips - .433"/11.0mm ..... page 219
Double-Row, Dual Barrier Strips - .437"/11.1mm ..... page 220
Double-Row, Dual Barrier Strips - .563"/14.3mm ..... page 222
**Accessories - Standard and Custom Legends ..... page 224**
**Europa Blocks ..... page 225**
TSB230 Series / Europa, With Wire Protector - .315"/8mm ..... page 229
TSB230 Series / Europa, With Tunnel Connection -.315"/8mm ..... page 230
TSB230 Series / Europa, High Temperature - .315"/8mm ..... page 231
TSB500 Series / Europa, With Wire Protector - .394"/10mm ..... page 232
TSB500 Series / Europa, With Tunnel Connection - .394"/10mm ..... page 233
TSB503si Series / Europa, Fused Terminal Blocks - .394"/10mm ..... page 234
TSB1000 Series / Europa, With Wire Protector - .472"/12mm ..... page 235
TSB1000 Series / Europa, With Tunnel Connection - .472"/12mm ..... page 236
TSB1500 Series / Europa, - .531"13.5mm ..... page 237
TSB2000 Series / Europa, - .571"/14.5mm ..... page 238
TSB2000...US Series / Europa, High Voltage Version -.571"/14.5mm ..... page 239
**Europa - Tubular Screw Barrier Strips - Accessories ..... page 240**

## INDEX - ONE-PIECE TERMINAL BLOCKS

### PCB MOUNT, ONE-PIECE TERMINAL BLOCKS

| Pitch (mm) | TE Series | | | Voltage Max. (VAC) | Current (A) | Operating Temperature. (°C) | Wire Size (AWG) |
|---|---|---|---|---|---|---|---|
| | 180° | 90° | 35° | | | | |
| 2.54 | 282834 | | | 150 | 10 | -40 – 110 | 16-30 |
| 3.5 | 1546551 | | | 300 | 12 | -40 – 110 | 16-28 |
| | 284391 | 284414 | | | | | 14-30 |
| 3.81 | 284392 | 284415 | | | 12 | -40 – 110 | 14-30 |
| 5 | 282836 | 284093 | 796690 | | 13.5 | -40 – 110 | 16-30 |
| | 796683 | | | | 17.5 | | 12-30 |
| | 282856 | 282862 | | | 24 | | |
| 5.08 | 282835 | | | | 10 | -40 – 110 | 16-30 |
| | 282837 | 284094 | | | 13.5 | | |
| | | 282851 | 282847 | | 17.5 | | 12-30 |
| | 282857 | | | | 20 | | |
| 7.5 | 282844 | 282854 | | | 17.5 | -40 - 105 | 12-30 |
| 7.62 | 282845 | | | | 17.5 | -40 – 110 | 12-30 |
| | 282861 | | | | 20 | | |
| 10 | 282838 | 282842 | | 600 | 10 | -40 – 110 | 16-30 |
| | 282852 | | | | 15 | | 12-30 |
| | 282858 | | | | 24 | | |
| 10.16 | 282839 | | | | 13.5 | -40 – 110 | 16-30 |
| | 282843 | | | | 17.5 | | 12-30 |

**Note:** Color Green , Wave soldering

| Pitch (mm) | TE Series | Voltage Max. (VAC) | Current (A) | Operating Temperature. (°C) | Wire Size (AWG) |
|---|---|---|---|---|---|
| | 270° | | | | |
| 5 | 284410 | 300 | 17.5 | -40 – 110 | 12-30 |

### HIGH CURRENT PCB MOUNT ONE-PIECE TERMINAL BLOCKS

| Pitch (mm) | TE series | | Color | Voltage Max. VAC | Current (A) | Operating Temperature. °C | Wire Size (AWG) |
|---|---|---|---|---|---|---|---|
| | 180° | 35° | | | | | |
| 6.35 | 796740 | | Green | 300 | 30 | -40 ~ 110 | 10-30 |
| 9.52 | 796739 | | | 600 | | | |
| | | 796741 | | | | | |

# BUCHANAN TERMINAL BLOCKS

## PCB MOUNT MULTI-LEVEL STACKING TERMINAL BLOCK

| Pitch (mm) | Number of Levels | TE Series | Voltage Max. (VAC) | Current (A) | Operating Temperature. (°C) | Wire Size (AWG) |
|---|---|---|---|---|---|---|
| | | 180° | | | | |
| 5 | Level -3 | 282884 | 300 | 13.5 | -40 ~ 110 | 16-30 |
| | Level - 1&2 | 282868 | | | | |
| | Level - 2 | 282880 | | | | |
| | Level - 1&2 | 282888 | | 17.5 | | |
| | Level - 2 | 282900 | | | | 12-30 |
| 5.08 | Level - 1&2 | 282869 | 300 | 13.5 | | 16-30 |
| | Level - 2& 3 | 282873 | | | | |
| | Level - 2 | 282901 | | 17.5 | | 12-30 |
| | Level - 3 | 282905 | | | | |
| | Level - 1&2 | 796692 | | | | |
| | Level - 1, 2&3 | 282897 | | | | |
| | Level - 1&2 | 282909 | | 24 | | |

## PCB MOUNT, HIGH TEMPERATURE VERSION TERMINAL BLOCKS

| Pitch (mm) | TE Series | Voltage Max. (VAC) | Current (A) | Operating Temperature. (°C) | Wire Size (AWG) |
|---|---|---|---|---|---|
| | 180° | | | | |
| 3.5 | 1776112 | 300 | 12 | -40 ~ 110 | 16-28 |
| 3.81 | 1776113 | 150 | | | 16-28 |
| 5 | 1776118 | 300 | 13.5 | | 16-30 |
| 5.08 | 1776119 | | | | |
| | 1776121 (90) | | | | |
| 10 | 1776112 | 600 | | | |

## PCB TERMINAL BLOCK, SMD VERSION

| Pitch (mm) | TE Series | Voltage Max. (VAC) | Current (A) | Operating Temperature. (°C) | Wire Size (AWG) |
|---|---|---|---|---|---|
| | 180 | | | | |
| 3.5 | 2383942 | 300 | 12 | -40 ~ 105 | 16-28 |
| 3.81 | 2383945 | | | | 16-28 |
| 5 | 2383938 | | 13.5 | | 16-30 |

## INDEX - TWO-PIECE TERMINAL BLOCK CONNECTORS

### TWO-PIECE TERMINAL BLOCK CONNECTORS

| Pitch (mm) | TE Plug series | Mating TB Header | | Mating TB Header (HT) | | Voltage (V) | Current (A) | Operating Temperature. (°C) | Wire size (AWG) |
|---|---|---|---|---|---|---|---|---|---|
| | | 180° | 90° | 180° | 90° | | | | |
| 3.5 | 284506<br>1986371<br>1986370<br>1986692<br>1986693 | 284514<br>284515 | 284512<br>284540 | 1776130 | 1776134<br>2342076 | 300 | 11 | -40 ~ 110 | 30 ~ 14 |
| | 284510<br>1986723 | 284516<br>1986799 | 284539 | 1776132 | 1776136 | | | | |
| 3.81 | 284507<br>284509<br>1986374<br>1986375<br>1986919<br>1986722<br>1986720 | 284517<br>284518 | 284513 | 1776131<br>2342078 | 1776135<br>2342077 | | | -40 ~ 105<br>-40 ~ 110 | 30 ~ 14 |
| 3.81 | 284511<br>1986820<br>1986822 | 284519 | 284541 | 1776133 | | | 10 | -40 ~ 105<br>-40 ~ 110 | 30 ~ 14 |
| 5 | 796640<br>282805<br>284040<br>284046<br>1986976<br>1986978 | 282822<br>796642<br>1986525 | 282811<br>282812<br>284052<br>796644 | 1776138<br>1776146<br>2342079<br>1776164 | 1776148<br>2342082<br>1776166 | | 15<br>16 | -40 ~ 105<br>-40 ~ 110 | 30 ~ 12 |
| | 1546557 | | | | | | 12 | | 24 ~ 12 |
| 5 | 796858 | | 796864 | | | | 15 | | 30 ~ 12 |
| 5 | 1986909 | 1986925 | 1986931 | | | | 11<br>12 | | 30 ~ 14<br>24 ~ 12 |
| 5.08 | 796634<br>284047<br>282807<br>284041<br>1986257<br>2368813 | 282824<br>282825<br>796636<br>2368814<br>284065 | 282814<br>282815<br>284008<br>796638<br>284053<br>284061 | 1776147<br>2342084<br>1776165 | 1776038<br>2342083<br>1776167 | | 15 | -40 ~ 105<br>-40 ~ 110 | 30 ~ 12 |
| | 1986262 | | | | | | 12 | | 14 ~ 30 |

# BUCHANAN TERMINAL BLOCKS

## TWO-PIECE (CONTINUED)

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 5.08 | 796859<br>796861<br>796863 | 796867<br>1986869 | 796866 | | 1986766 | 300 | 15 | -40 – 105 | 30 – 12 |
| | 1986830 | | | | | | 12 | -40 – 110 | |
| 5.08 | 1986910 | 1986926 | 1986932 | 1776153 | | 300 | 11 | | 30 – 12 |
| 7.5 | 282959<br>284042<br>284048 | 282964 | 282962 | | | 300 | 15 | -40 – 105 | 30 – 12 |
| 7.62 | 796981<br>284043<br>284049 | | 282966 | | 1776155 | 300 | 15 | -40 – 110 | 30 – 12 |
| 10 | 282808 | 282826<br>282827 | 282816<br>282817 | | | 600 | 15 | | 30 – 12 |
| 10.16 | 282809<br>284051 | | 282818 | | | 600 | 15 | | 30 – 12 |

Note : Color : Green for Wave soldering , Black/ High Temperature Version (HT) for Reflow soldering

## TWO-PIECE SPECIAL PLUG CONNECTORS

| Pitch (mm) | TE Plug series | Mating TB Header | Mating TB Header(HT) | Color | Voltage (V) | Current (A) | Operating Temperature. (°C) | Wire size (AWG) |
|---|---|---|---|---|---|---|---|---|
| | | 180 | 180 | | | | | |
| 5 | 1546173<br>282830<br>1986835 | 282832 | 1546931 | Green | 300 | 12 | -40 ~ 110 | 14-30 |

# BUCHANAN TERMINAL BLOCKS

## TWO-PIECE PUSH-IN TERMINAL BLOCK

| Pitch (mm) | TE Plug Series | TE Mating TB Header [Vertical (180)/ Horizontal (90)] | Housing/Color | Voltage Max. (VAC) | Current (A) | Operating Temperature (°C) | Wire size (AWG) (Sol/Str) |
|---|---|---|---|---|---|---|---|
| 3.5 | 2842474* | 2842476* | Green | 150 | 8A | -40° to 115°C | 16-24 |
| | | 2842478* | | | | | |
| | 2842480* | 2842482* | | 150 | | | 16-24 |
| | | 2842484* | | | | | |
| | 2842487* | 2842489* (HT) | Black | 300 | | | 16-24 |
| | | 2842491* (HT) | | 150 | | | |
| | 2842493* | 2842495*(HT) | | 300 | | | 16-24 |
| | 2842499* | 2842497*(HT) | | 150 | | | 16-24 |
| 3.81 | 2842500* | 2842502* | Green | 300 | | -40° to 115°C | 16-28 |
| | | 2842504* | | | | | |
| | 2842506* | 2842508* | | 300 | | | 16-28 |
| | | 2842510* | | | | | |
| 2.5 | 2842528* | 2842529* | | 150 | 4A | | 20-28 |
| | | 2842530* | | | | | |
| 5 | 2842543* | 2842546* | | 300 | 15A | | 24-14 |
| | | 2842547* | | | | | |
| 5.08 | 2842514* | 2842516* | | 300 | 10A | | 24-14 |
| | | 2842518* | | | | | |
| 5.08 | 2842520* | 2842522* | | 300 | 10A | | 24-14 |

## WIRE TERMINATION TECHNOLOGY FOR PCB TERMINAL BLOCKS



### Leg Spring

Intended for use in more rugged applications such as instrumentation,industrial controls,data acquisition, security & alarm, and HVAC products. Provides for faster wire termination than screw versions.



### Insulation Displacement

Intended for use in industrial communications and control applications such as analog or serial communications using 22-24 awg wire. Pivot block plug mates with 3.5mm horizontal and vertical terminal block headers.



### Crimp Style

A terminal block plug that utilizes an insertable crimp snap contact for wire termination. This plug will mate to standard headers on 5.08mm. Intended for use in higher volume applications. Used in conjunction with junior power timer contacts.



### Rising Cage

Intended for use in more rugged applications, such as industrial controls, data acquisition and communications products, where multiple wire terminations are required. Available in one piece and two piece configurations.



### Wire Protector Version

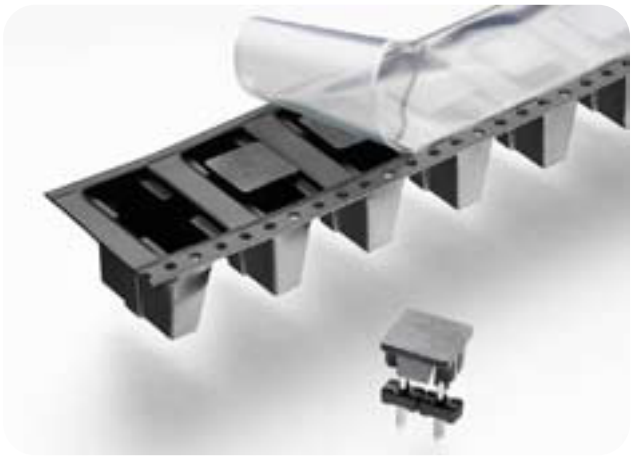
Recommended for low cost commercial applications. Intended for use in lighter duty or commercial applications such as security and alarm systems or HVAC controls. Prevents the screw from damaging the wire!



### Front Style Screw Clamp

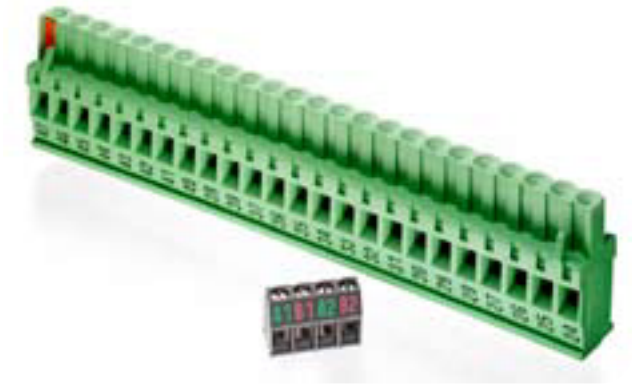
The key feature of this style of terminal block plug is that the wire entry cavity and the activating screw head are on the same plane which is parallel to the plug in direction. This will mate with vertical and right angle headers.

## OPTIONS FOR YOUR CONNECTIONS



### Packaging Options

TE uses tape-on-reel packaging. This packaging makes it possible for customers to use automated pick and place equipment. Tape on reel may be used with high temp products designed for through-hole reflow (THR) applications. Contact your TE terminal blocks team for specific details on other packaging options such as tubes and trays.



### Printing Options

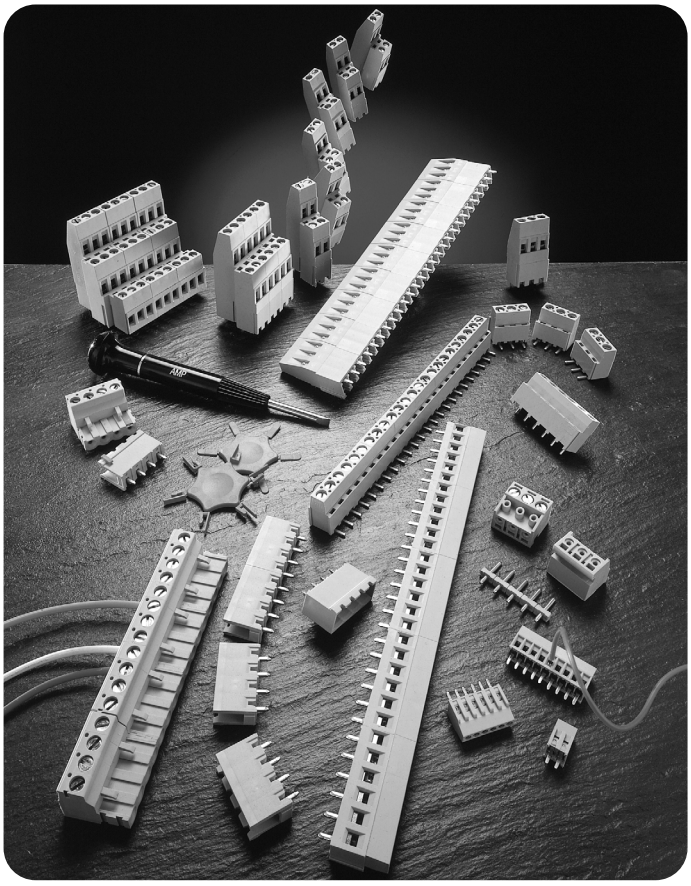
Printing is a very common request that gives an end user the ability to identify circuits. The printing is permanent and is typically done in either black or white



### Color Options

With Euro Style terminal blocks, you have the option of choosing the color of your product. This may benefit you by helping with organization and identification of your pieces. Many color options are available and will generally have only a minimal effect on lead times and minimum order quantities.

## STACKING SCREW CLAMP CONNECTORS



## INTRODUCTION

Terminal Block connectors feature the special rising cage clamp design (see illustration on page 13). The modular design of Terminal Block connectors consists of one-piece board mount terminal blocks and plug connectors with mating straight and right-angle shrouded headers. A special version – which can be mated either 90° or 180° – completes the product line.

## ADVANTAGES

- IR Reflow compatible
- Terminal Block connectors have a rising cage clamp which promotes numerous reliable connections and disconnections at field installations
- All blocks are supplied with open screws which shortens the time for connection
- The double captive screw system guards against lost screws
- All metal parts are nonmagnetic
- The housing material used is halogen free Polyamide 6.6 according to UL 94V-0 (self-extinguishing); operating temperature -40°C to +105°C
- The housing funnel entry design enables an easier product application
- The open bottom design facilitates the PCB washing and reduces trapping of soldering fumes and dirt, with better insulation
- Available on the board mount connectors is testprobe access to determine if an electrical connection has been made
- Contacts are post tin-plated with nickel underplate which allows the product to be used in specially corrosive environments

### PRODUCT FACTS

- Certified by the VDE Testing and Certification Institute
- VDE File No. 6917 (Two-Piece Version) VDE File No. 6920 (One-Piece Version)
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E60677
- Certified by Canadian Standards Association, File No. 703157
- Produced under Quality Management System certified to ISO 9001

### TECHNICAL DOCUMENTS

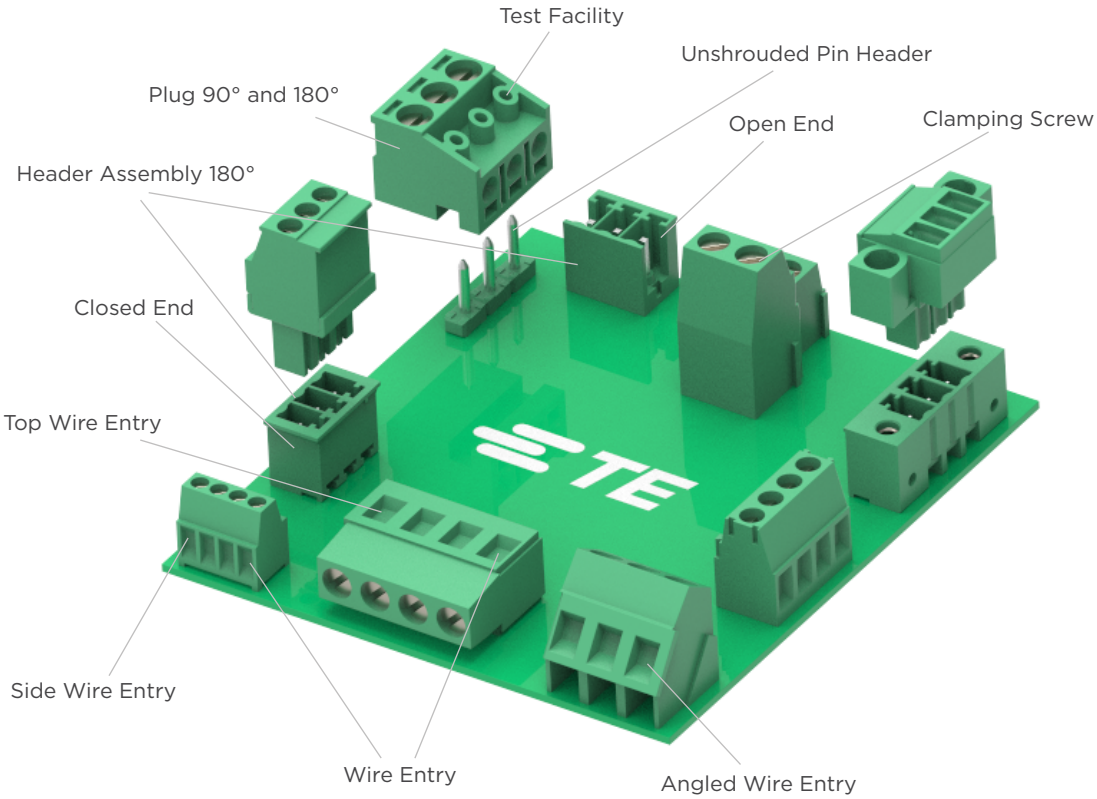
**Product Specification:**

- 108-20166 Terminal Block Connectors, Stacking PC Board Mount Produced under Quality Management System certified to ISO 9001

**Application Specification:**

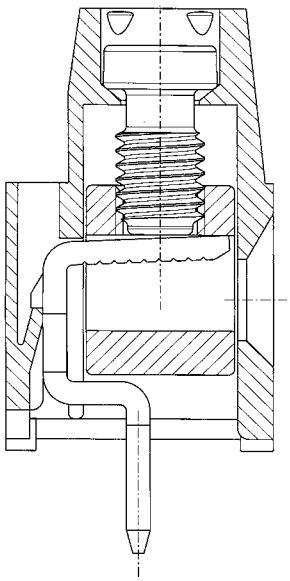
- 114-20079 Terminal Block Stacking Connectors

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

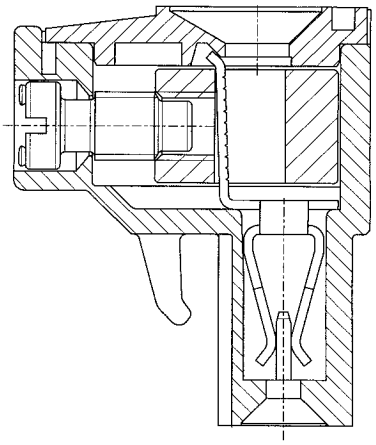



## RISING CAGE CLAMP DESIGN

### CROSS SECTION - ONE-PIECE CONNECTOR



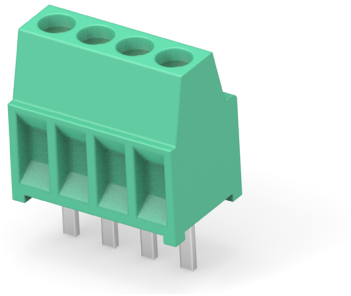
### CROSS SECTION - TWO-PIECE CONNECTOR



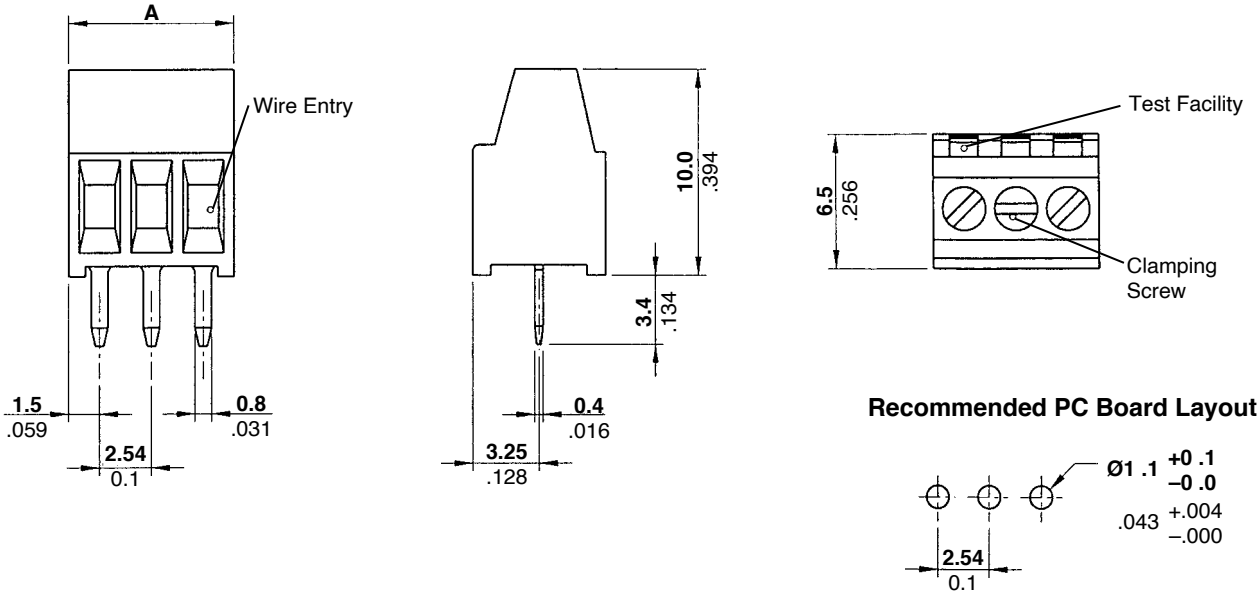
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

### PCB MOUNT, 2.54 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 150 V, 10 A 16-30 AWG



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

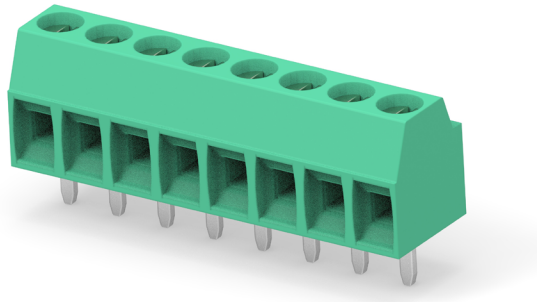
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 5.54 (0.22) | 282834-2 |
| 3 | 8.08 (0.32) | 282834-3 |
| 4 | 10.62 (0.42) | 282834-4 |
| 5 | 13.16 (0.52) | 282834-5 |
| 6 | 15.7 (0.62) | 282834-6 |
| 7 | 18.24 (0.72) | 282834-7 |
| 8 | 20.78 (0.82) | 282834-8 |
| 9 | 23.32 (0.92) | 282834-9 |
| 10 | 25.86 (1.02) | 1-282834-0 |
| 11 | 28.4 (1.12) | 1-282834-1 |
| 12 | 30.94 (1.22) | 1-282834-2 |

**Note:** BUCHANAN Terminal Block 282834* has been replaced with Part Number 1546215* (Grey)

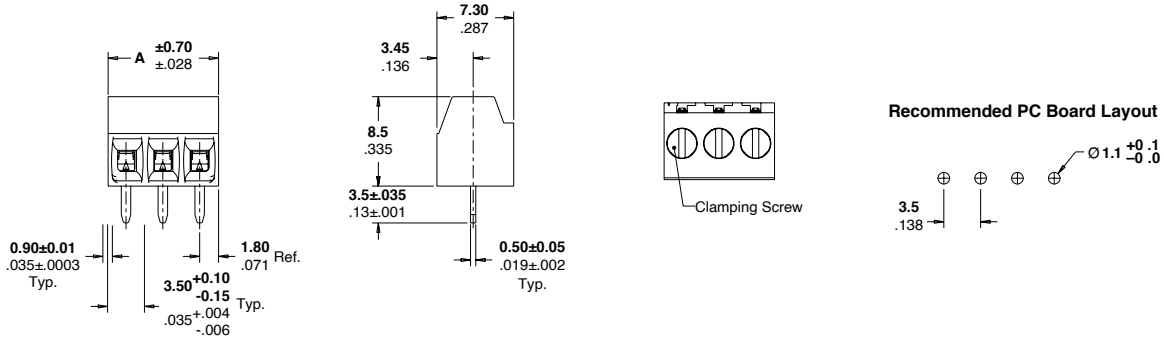
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

### PCB MOUNT, 3.5 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 300 V, 12 A 16-28 AWG



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 7.0 (0.276) | 1546551-2 |
| 3 | 10.50 (0.413) | 1546551-3 |
| 4 | 14.0 (0.551) | 1546551-4 |
| 5 | 17.5 (0.689) | 1546551-5 |
| 6 | 21.0 (0.827) | 1546551-6 |
| 7 | 24.50 (0.965) | 1546551-7 |
| 8 | 28.0 (1.102) | 1546551-8 |
| 12 | 42.0 (1.654) | 1-1546551-2 |

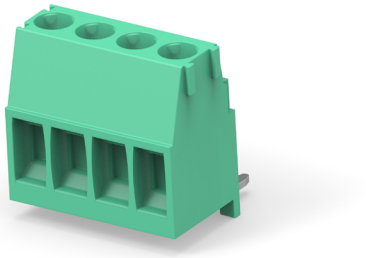
*Wave solder process capable to 265°C (509°F) for 10 seconds

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

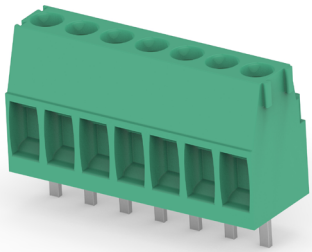
### PCB MOUNT W/INTERLOCK, 3.5 mm CENTERLINE, TOP AND SIDE WIRE ENTRY

UL Rating – 300 V, 12 A 14-30 AWG

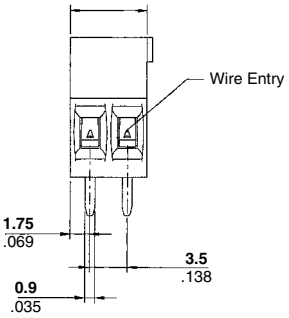
#### RIGHT-ANGLE

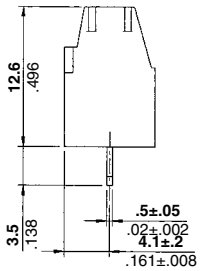


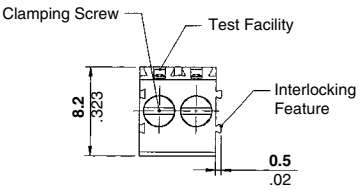
#### VERTICAL



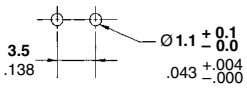
Dimension [Unit: mm(in)]




**Recommended PC Board Layout**




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 7.0 (0.276) | 284414-2 | 284391-2 |
| 3 | 10.5 (0.413) | 284414-3 | 284391-3 |
| 4 | 14.0 (0.551) | 284414-4 | 284391-4 |
| 5 | 17.5 (0.689) | 284414-5 | 284391-5 |
| 6 | 21.0 (0.827) | 284414-6 | 284391-6 |
| 7 | 24.5 (0.965) | 284414-7 | 284391-7 |
| 8 | 28.0 (1.102) | 284414-8 | 284391-8 |
| 9 | 31.5 (1.240) | 284414-9 | 284391-9 |
| 10 | 35.0 (1.378) | 1-284414-0 | 1-284391-0 |
| 11 | 38.5 (1.516) | 1-284414-1 | 1-284391-1 |
| 12 | 42.0 (1.654) | 1-284414-2 | 1-284391-2 |
| 18 | 63.0 (2.480) | - | 1-284391-8 |

**Note:** BUCHANAN Terminal Block 284391* has been replaced with Part Number 1546227* (Blue)

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

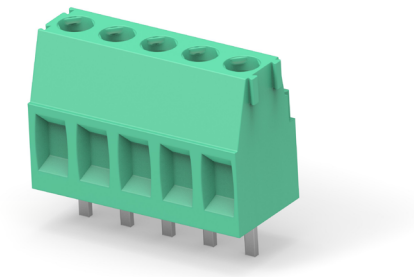
### PCB MOUNT W/INTERLOCK, 3.81 mm CENTERLINE, TOP AND SIDE WIRE ENTRY

UL Rating – 300 V, 12 A 14-30 AWG

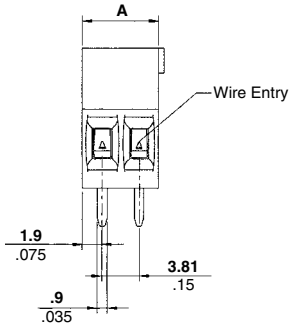
**RIGHT-ANGLE**

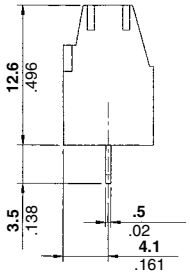


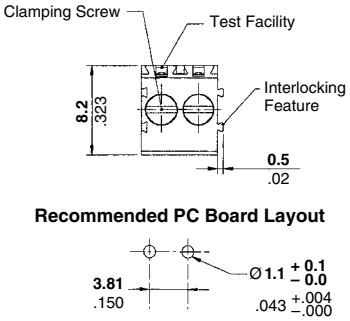
**VERTICAL**



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

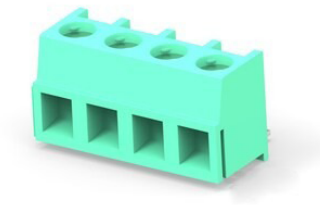
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 7.62 (0.300) | 284415-2 | 284392-2 |
| 3 | 11.43 (0.450) | 284415-3 | 284392-3 |
| 4 | 15.24 (0.600) | 284415-4 | 284392-4 |
| 5 | 19.05 (0.750) | 284415-5 | 284392-5 |
| 6 | 22.86 (0.900) | - | 284392-6 |
| 7 | 26.67 (1.050) | 284415-7 | 284392-7 |
| 8 | 30.48 (1.200) | 284415-8 | 284392-8 |
| 9 | 34.29 (1.350) | 284415-9 | 284392-9 |
| 10 | 38.10 (1.500) | - | 1-284392-0 |
| 12 | 45.72 (1.800) | - | 1-284392-2 |

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

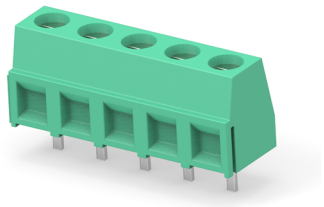
### PCB MOUNT W/INTERLOCK, LOW PROFILE, 5.0 mm CENTERLINE, TOP AND SIDE WIRE ENTRY

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications

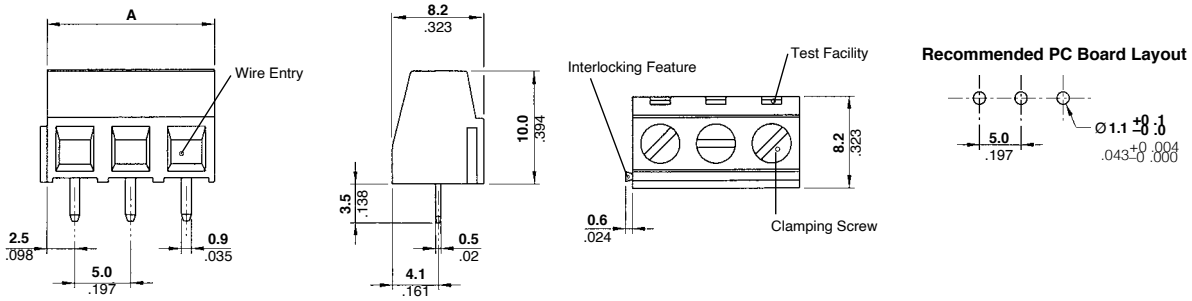
**RIGHT-ANGLE**



**VERTICAL**



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.0 (0.394) | 284093-2 | 282836-2 |
| 3 | 15.0 (0.591) | 284093-3 | 282836-3 |
| 4 | 20.0 (0.787) | 284093-4 | 282836-4 |
| 5 | 25.0 (0.984) | 284093-5 | 282836-5 |
| 6 | 30.0 (1.181) | 284093-6 | 282836-6 |
| 7 | 35.0 (1.378) | 284093-7 | 282836-7 |
| 8 | 40.0 (1.575) | 284093-8 | 282836-8 |
| 9 | 45.0 (1.772) | 284093-9 | 282836-9 |
| 10 | 50.0 (1.969) | 1-284093-0 | 1-282836-0 |
| 11 | 55.0 (2.165) | 1-284093-1 | 1-282836-1 |
| 12 | 60.0 (2.362) | 1-284093-2 | 1-282836-2 |
| 13 | 65.0 (2.559) | - | 1-282836-3 |
| 20 | 100.0 (3.937) | - | 2-282836-1 |
| 25 | 125.0 (4.921) | - | 2-282836-6 |
| 9 | 45.0 (1.772) | - | 2-282836-8 |
| 8 | 40.0 (1.575) | - | 3-282836-0 |
| 2 | 10.0 (0.394) | - | 3-282836-1 |
| 4 | 20.0 (0.787) | - | 3-282836-2 |
| 5 | 25.0 (0.984) | - | 3-282836-3 |
| 6 | 30.0 (1.181) | - | 3-282836-4 |
| 3 | 15.0 (0.591) | - | 3-282836-5 |
| 7 | 35.0 (1.378) | - | 3-282836-7 |

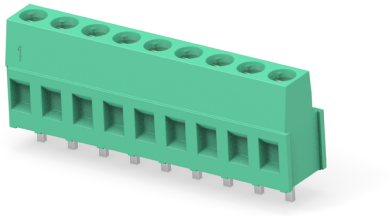
**Notes:**

1. BUCHANAN Terminal Block 282836* has been replaced with Part Number 1546216* (Gray)
2. BUCHANAN Terminal Block 284093* has been replaced with Part Number 1546225* (Gray)
3. *Wave solder process capable to 265°C (509°F) for 10 seconds

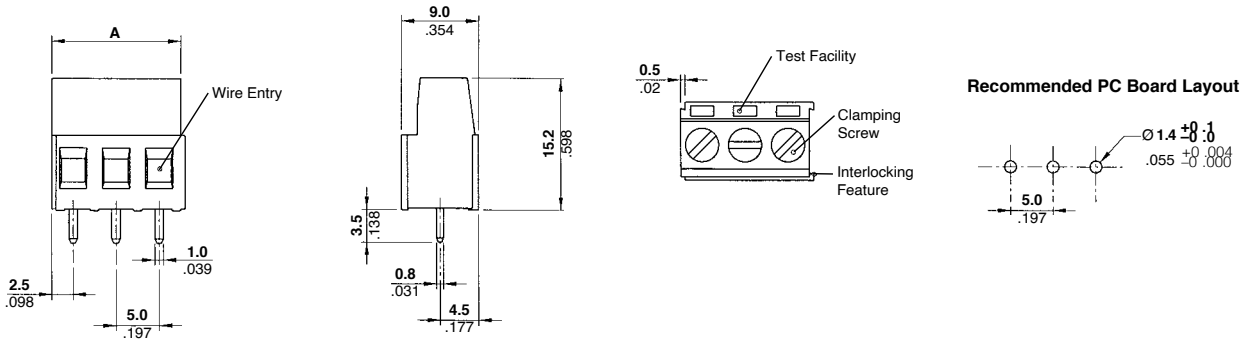
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

### PCB MOUNT W/INTERLOCK, 5.0 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 10.0 (0.394) | 796683-2 |
| 3 | 15.0 (0.591) | 796683-3 |
| 4 | 20.0 (0.787) | 796683-4 |
| 5 | 25.0 (0.984) | 796683-5 |
| 6 | 30.0 (1.181) | 796683-6 |
| 7 | 35.0 (1.378) | 796683-7 |
| 8 | 40.0 (1.575) | 796683-8 |
| 9 | 45.0 (1.772) | 796683-9 |
| 10 | 50.0 (1.968) | 1-796683-0 |
| 11 | 55.0 (2.165) | 1-796683-1 |
| 24 | 120.0 (4.724) | 2-796683-4 |

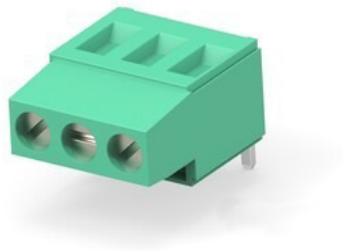
**Note:** BUCHANAN Terminal Block 796683* has been replaced with 796681* (Gray) and 796682* (Black)

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

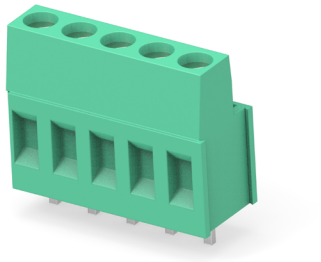
### PCB MOUNT W/INTERLOCK, 5.0 mm CENTERLINE, TOP AND SIDE WIRE ENTRY

UL Rating – 300 V, 24 A 12-30 AWG, 20 A for field wiring applications

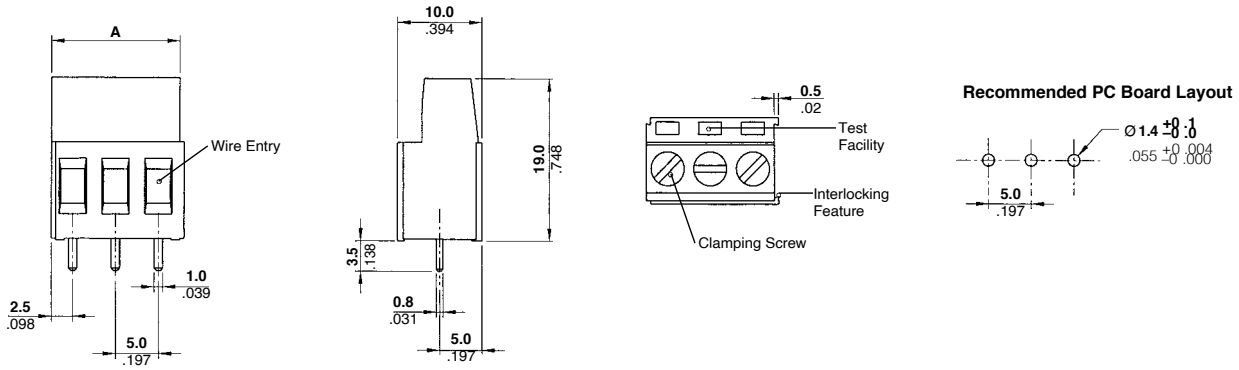
#### RIGHT-ANGLE



#### VERTICAL



Dimension [Unit: mm(in)]



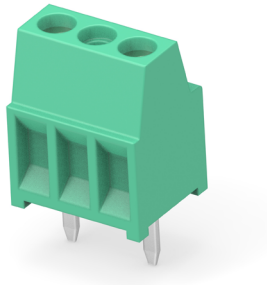

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.0 (0.394) | - | 282856-2 |
| 3 | 15.0 (0.591) | 282862-3 | 282856-3 |
| 4 | 20.0 (0.787) | 282862-4 | 282856-4 |
| 5 | 25.0 (0.984) | - | 282856-5 |
| 6 | 30.0 (1.181) | - | 282856-6 |
| 8 | 40.0 (1.575) | - | 282856-8 |
| 9 | 45.0 (1.772) | - | 282856-9 |
| 10 | 50.0 (1.969) | - | 1-282856-0 |
| 11 | 55.0 (2.165) | - | 1-282856-1 |
| 12 | 60.0 (2.362) | - | 1-282856-2 |
| 13 | 65.0 (2.559) | - | 1-282856-3 |
| 17 | 85.0 (3.346) | - | 1-282856-8 |

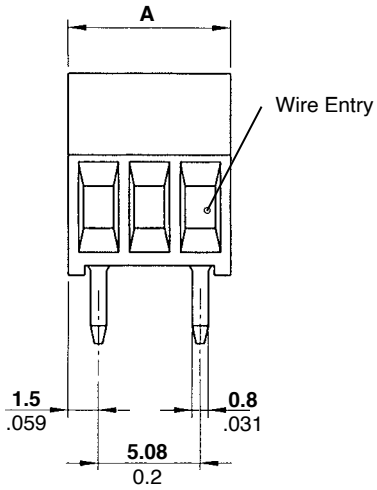
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

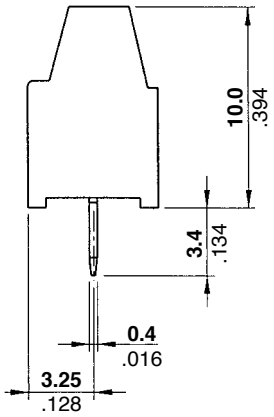
### PCB MOUNT, 5.08 mm CENTERLINE, SIDE WIRE ENTRY

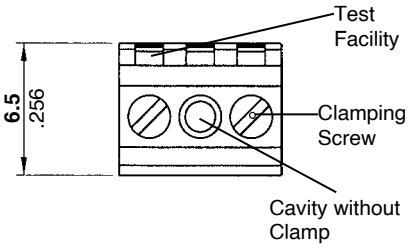
UL Rating – 300 V, 10 A 16-30 AWG



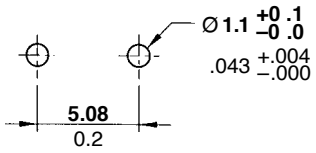
Dimension [Unit: mm(in)]




**Recommended PC Board Layout**




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 8.08 (0.318) | 282835-2 |

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

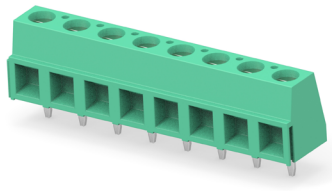
### PCB MOUNT W/INTERLOCK, LOW PROFILE, 5.08 mm CENTERLINE, TOP AND SIDE WIRE ENTRY

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications

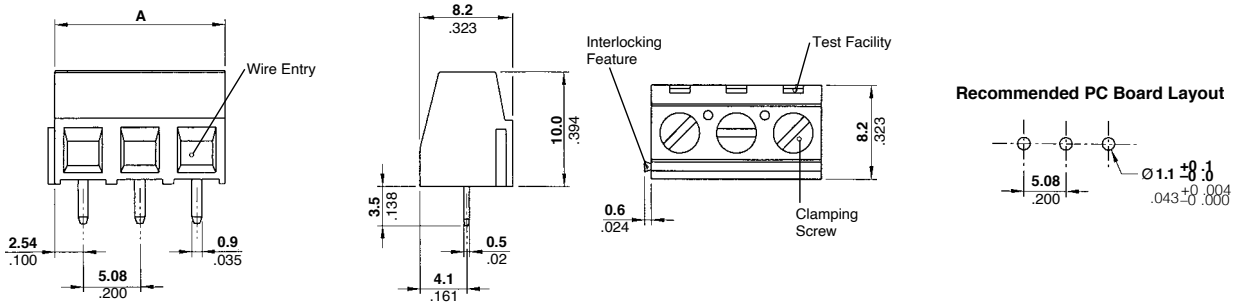
#### RIGHT-ANGLE



#### VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

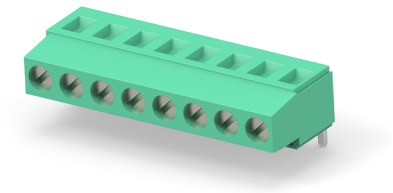
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.16 (0.400) | 284094-2 | 282837-2 |
| 3 | 15.24 (0.600) | 284094-3 | 282837-3 |
| 4 | 20.32 (0.800) | 284094-4 | 282837-4 |
| 5 | 25.40 (1.000) | 284094-5 | 282837-5 |
| 6 | 30.48 (1.200) | 284094-6 | 282837-6 |
| 7 | 35.56 (1.400) | 284094-7 | 282837-7 |
| 8 | 40.64 (1.600) | 284094-8 | 282837-8 |
| 9 | 45.72 (1.800) | 284094-9 | 282837-9 |
| 10 | 50.80 (2.000) | 1-284094-0 | 1-282837-0 |
| 11 | 55.88 (2.200) | 1-284094-1 | 1-282837-1 |
| 12 | 60.96 (2.400) | 1-284094-2 | 1-282837-2 |
| 13 | 66.04 (2.600) | - | 1-282837-4 |
| 14 | 71.12 (2.800) | - | 1-282837-6 |
| 15 | 76.20 (3.000) | - | 1-282837-8 |
| 16 | 81.28 (3.200) | - | 2-282837-1 |
| 17 | 86.36 (3.400) | - | 2-282837-4 |
| 18 | 91.44 (3.600) | - | 2-282837-5 |
| 19 | 96.52 (3.800) | - | 3-282837-2 |
| 20 | 101.60 (4.000) | - | 3-282837-3 |
| 21 | 106.68 (4.200) | - | 3-282837-4 |

**Note:** BUCHANAN Terminal Block 282837* has been replaced with Part Number 1546217* (Gray)

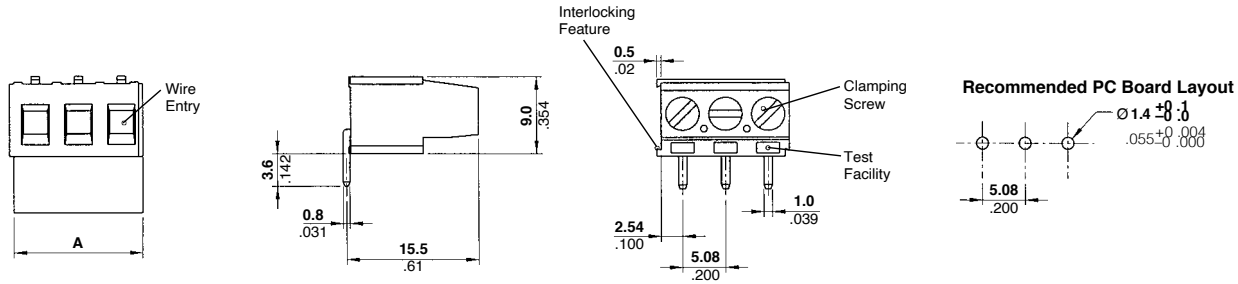
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

### PCB MOUNT W/INTERLOCK, 5.08 mm CENTERLINE, TOP WIRE ENTRY

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

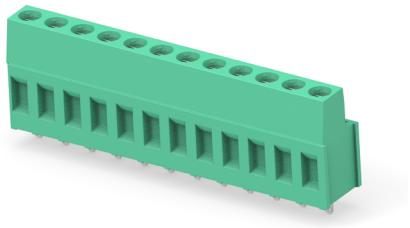
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 10.16 (0.40) | 282851-2 |
| 3 | 15.24 (0.60) | 282851-3 |
| 4 | 20.32 (0.80) | 282851-4 |
| 5 | 25.40 (1.00) | 282851-5 |
| 6 | 30.48 (1.20) | 282851-6 |
| 8 | 40.64 (1.60) | 282851-8 |
| 10 | 50.80 (2.00) | 1-282851-0 |
| 12 | 60.96 (2.40) | 1-282851-2 |

**Note:** BUCHANAN Terminal Block 282851* has been replaced with Part Number 1546073* (Black)

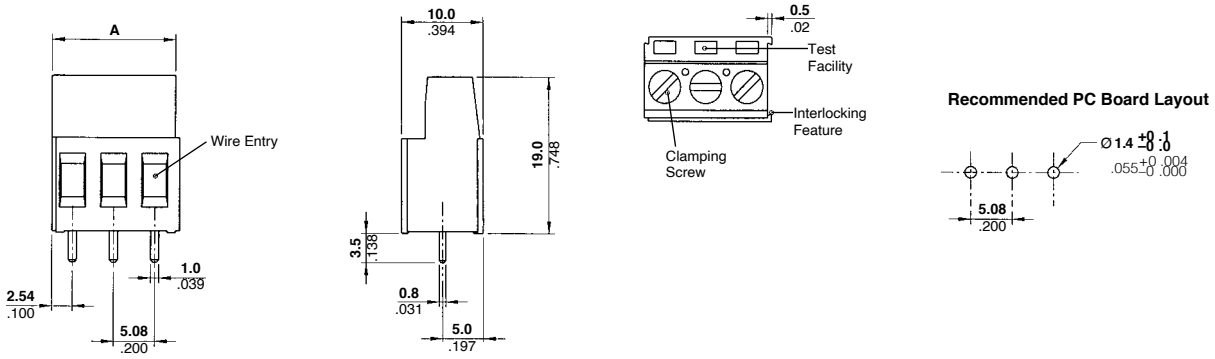
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

### PCB MOUNT W/INTERLOCK, 5.08 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 300 V, 24 A 12-30 AWG, 20 A for field wiring applications



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

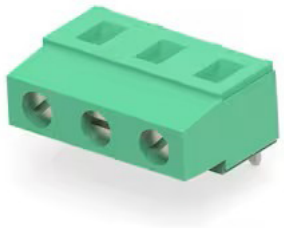
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 10.16 (0.40) | 282857-2 |
| 3 | 15.24 (0.60) | 282857-3 |
| 4 | 20.32 (0.80) | 282857-4 |
| 5 | 25.40 (1.00) | 282857-5 |
| 6 | 30.48 (1.20) | 282857-6 |
| 7 | 35.56 (1.40) | 282857-7 |
| 8 | 40.64 (1.60) | 282857-8 |
| 9 | 45.72 (1.80) | 282857-9 |
| 10 | 50.80 (2.00) | 1-282857-0 |
| 11 | 55.88 (2.20) | 1-282857-1 |
| 12 | 60.96 (2.40) | 1-282857-2 |

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

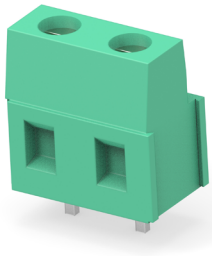
### PCB MOUNT W/INTERLOCK, 7.5 mm CENTERLINE, TOP AND SIDE WIRE ENTRY

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

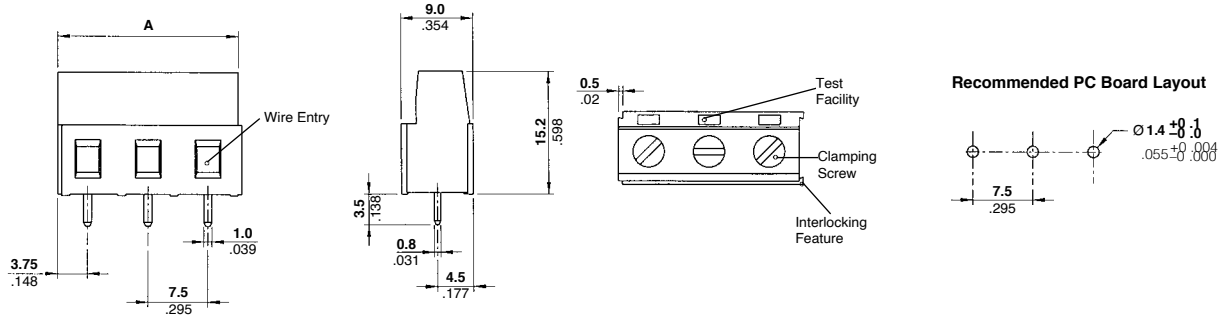
#### RIGHT-ANGLE



#### VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

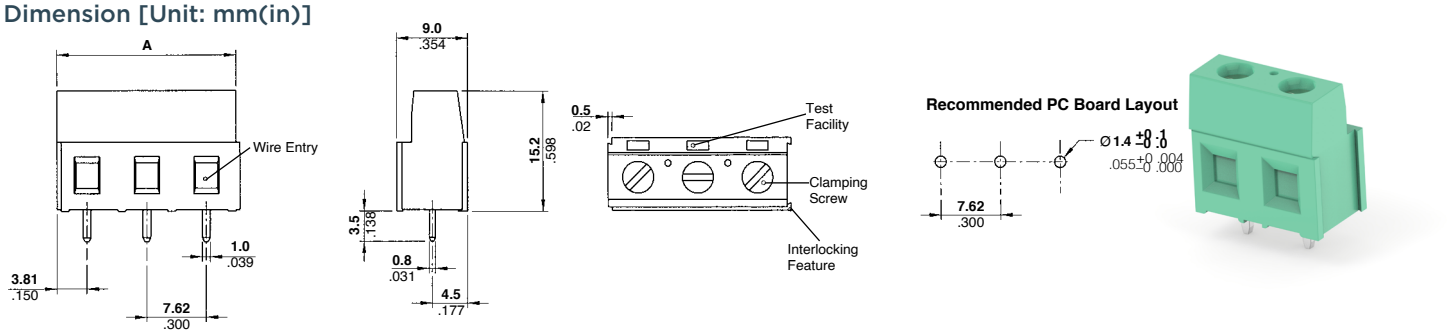
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 15.0 (0.591) | - | 282844-2 |
| 3 | 22.5 (0.886) | 282854-3 | 282844-3 |
| 4 | 30.0 (1.181) | - | 282844-4 |

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

### PCB MOUNT W/INTERLOCK, 7.62 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

#### Dimension [Unit: mm(in)]



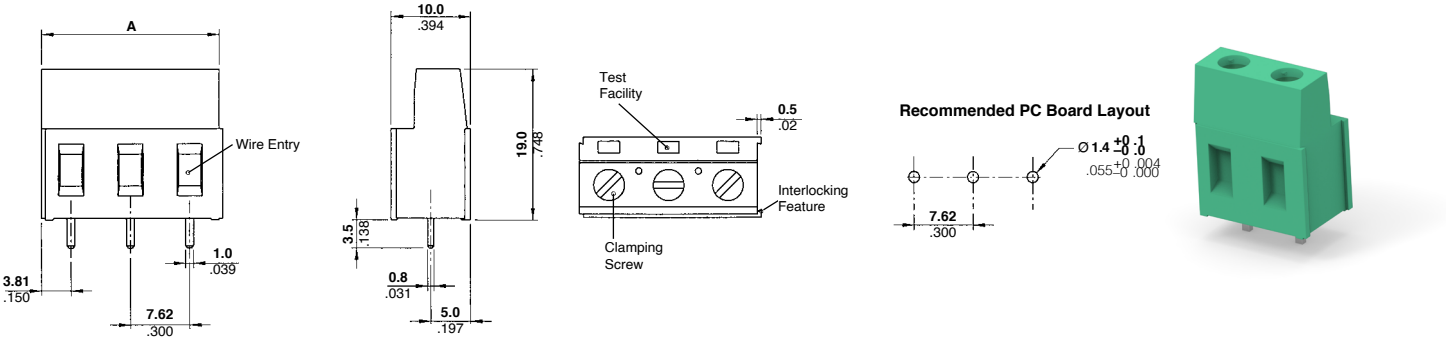

### PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 15.24 (0.600) | 282845-2 |
| 3 | 22.86 (0.900) | 282845-3 |

### PCB MOUNT W/INTERLOCK, 7.62 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 300 V, 24 A 12-30 AWG, 20 A for field wiring applications

#### Dimension [Unit: mm(in)]



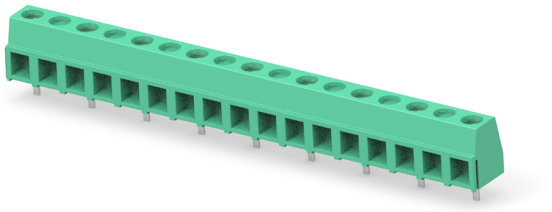

### PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 15.24 (0.600) | 282861-2 |
| 3 | 22.86 (0.900) | 282861-3 |

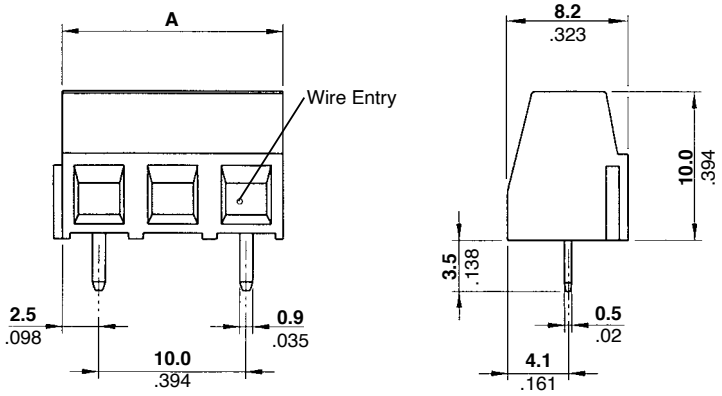
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

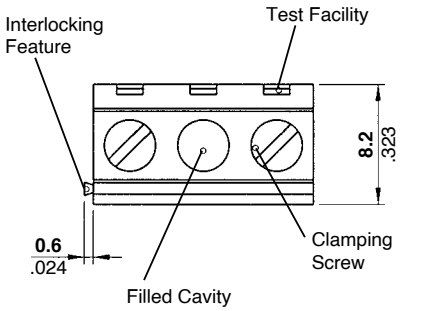
### PCB MOUNT, LOW PROFILE, 10.0 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 600 V, 13.5 A 16-30 AWG, 10 A for field wiring applications

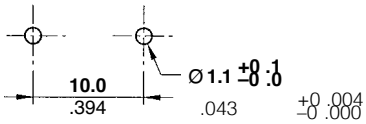


Dimension [Unit: mm(in)]




**Recommended PC Board Layout**




## PRODUCT INFORMATION

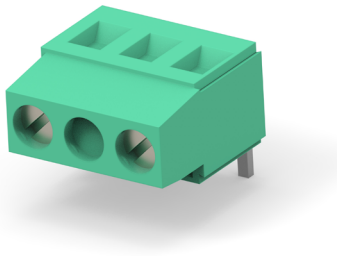
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 15.0 (0.591) | 282838-2 |
| 3 | 25.0 (0.984) | 282838-3 |
| 4 | 35.0 (1.378) | 282838-4 |
| 5 | 45.0 (1.772) | 282838-5 |
| 6 | 55.0 (2.165) | 282838-6 |
| 7 | 65.0 (2.559) | 282838-8 |
| 8 | 75.0 (2.953) | 282838-9 |
| 9 | 85.0 (3.346) | 1-282838-0 |
| 10 | 95.0 (3.740) | 1-282838-1 |
| 11 | 105.0 (4.134) | 1-282838-2 |

## PCB MOUNT, TERMINAL BLOCK CONNECTORS

### PCB MOUNT, 10.0 mm CENTERLINE, TOP AND SIDE WIRE ENTRY

UL Rating – 600 V, 17.5 A 12-30 AWG, 15 A for field entry applications

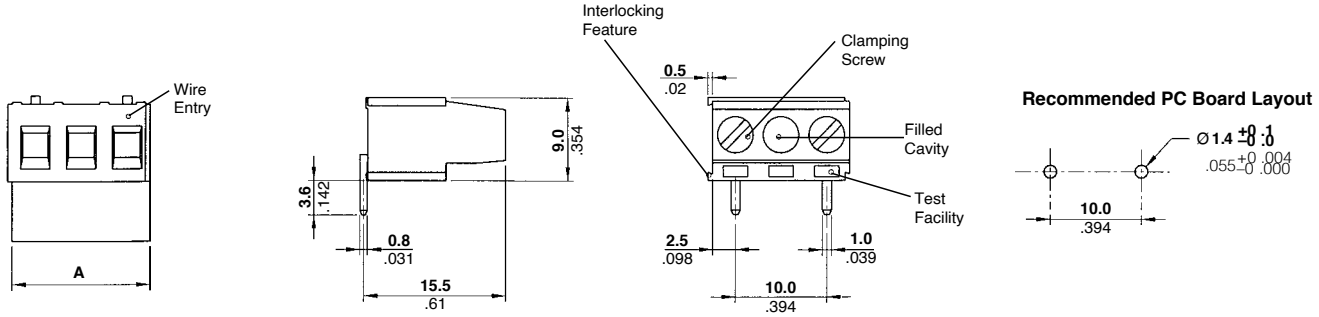
**RIGHT-ANGLE**



**VERTICAL**



Dimension [Unit: mm(in)]



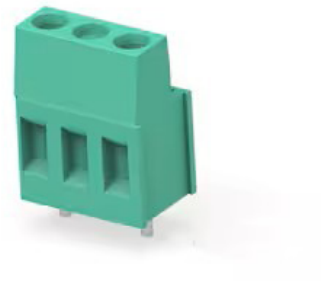

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 15.0 (0.591) | 282842-2 | 282852-2 |
| 3 | 20.0 (0.787) | 282842-3 | 282852-3 |
| 4 | 25.0 (0.984) | 282842-4 | - |

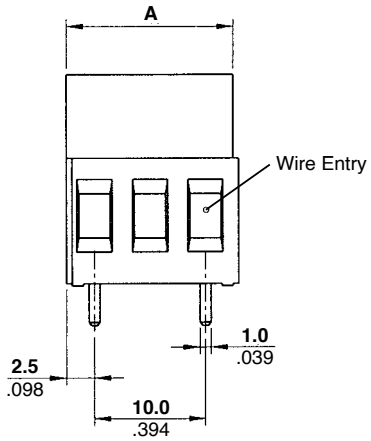
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

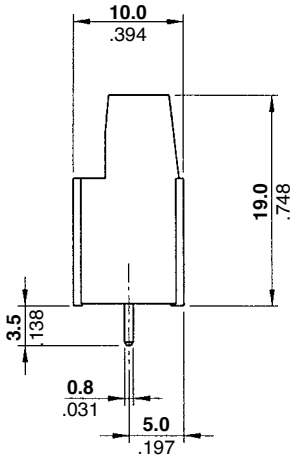
### PCB MOUNT, 10.0 mm CENTERLINE, SIDE WIRE ENTRY

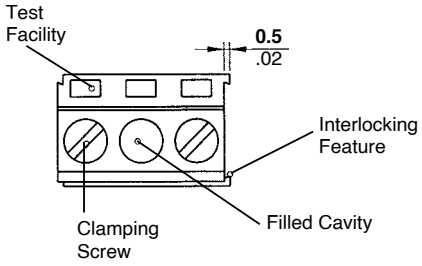
UL Rating – 600 V, 24 A 12-30 AWG, 20 A for field wiring applications



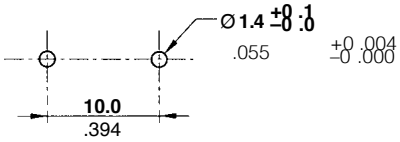
Dimension [Unit: mm(in)]




**Recommended PC Board Layout**



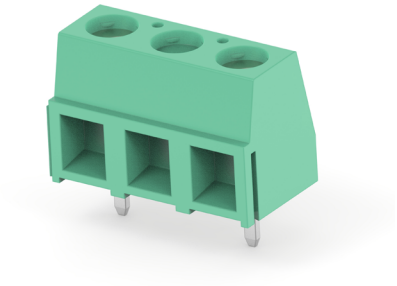

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 15.0 (0.591) | 282858-2 |
| 3 | 25.0 (0.984) | 282858-3 |
| 4 | 35.0 (1.378) | 282858-4 |
| 5 | 45.0 (1.772) | 282858-5 |
| 6 | 55.0 (2.165) | 282858-6 |
| 7 | 65.0 (2.559) | 282858-7 |
| 8 | 75.0 (2.953) | 282858-8 |
| 9 | 85.0 (3.346) | 282858-9 |
| 10 | 95.0 (3.740) | 1-282858-0 |
| 11 | 105.0 (4.134) | 1-282858-1 |

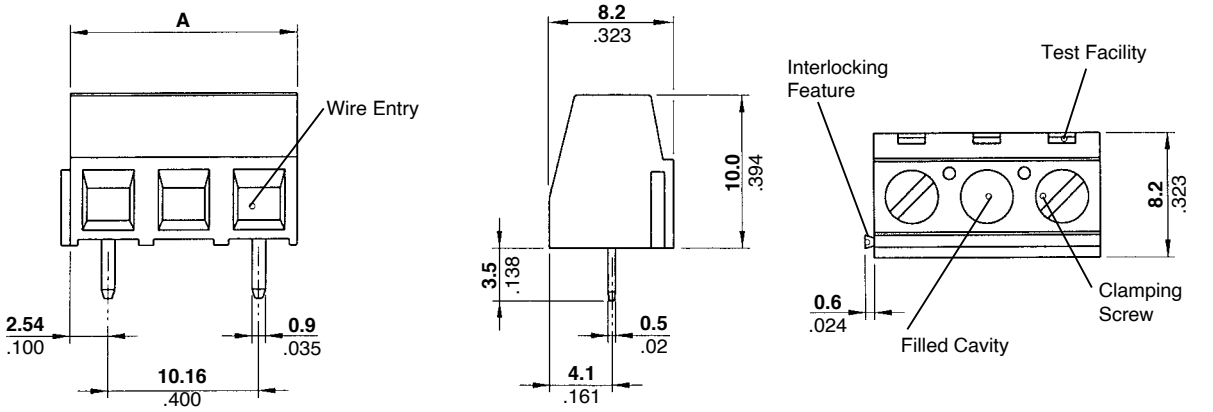
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

### PCB MOUNT W/INTERLOCK, LOW PROFILE, 10.16 mm CENTERLINE, SIDE WIRE ENTRY

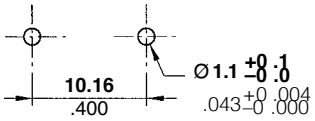
UL Rating – 600 V, 13.5 A 16-30 AWG, 15 A for field wiring applications



Dimension [Unit: mm(in)]




**Recommended PC Board Layout**



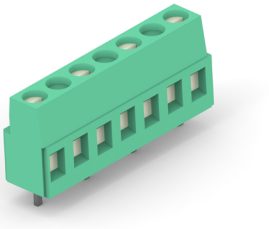

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 15.24 (0.600) | 282839-2 |

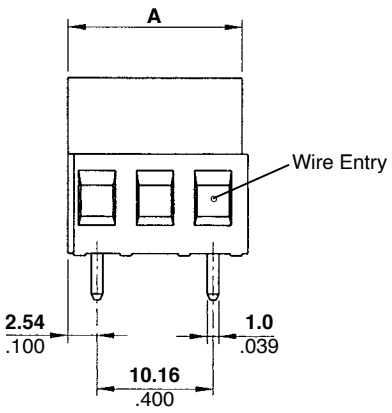
## PCB MOUNT, TERMINAL BLOCK CONNECTORS

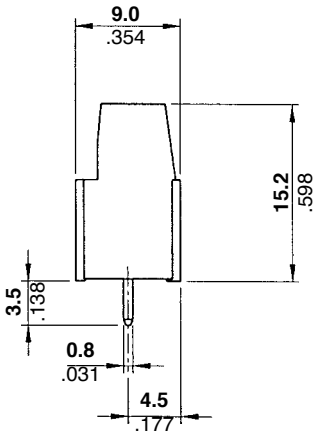
### PCB MOUNT, 10.16 mm CENTERLINE, SIDE WIRE ENTRY

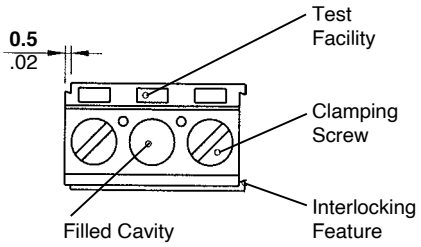
UL Rating – 600 V, 17.5 A 12-30 AWG, 15 A for field wiring applications



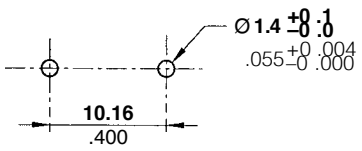
Dimension [Unit: mm(in)]




**Recommended PC Board Layout**

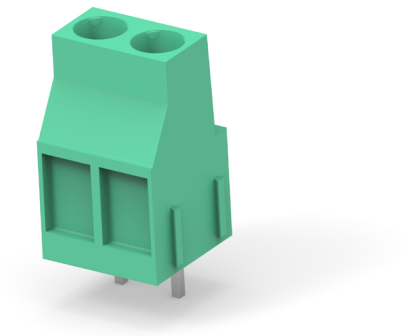



## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 15.24 (0.60) | 282843-2 |
| 3 | 25.40 (1.00) | 282843-3 |
| 4 | 35.56 (1.40) | 282843-4 |
| 5 | 45.72 (1.80) | 282843-5 |
| 6 | 55.88 (2.20) | 282843-6 |
| 7 | 66.04 (2.60) | 282843-7 |
| 8 | 76.20 (3.00) | 282843-8 |
| 9 | 86.36 (3.40) | 282843-9 |
| 10 | 96.52 (3.80) | 1-282843-0 |
| 11 | 106.68 (4.20) | 1-282843-1 |
| 12 | 116.84 (4.60) | 1-282843-2 |

## HIGH CURRENT PCB MOUNT, VERTICAL TERMINAL BLOCK

- Cage clamp style termination
- Product is modular; designed with a dovetail feature to allow building larger position sizes to increase the number of available wire positions
- Green color; other colors available upon request



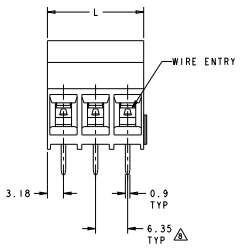
### PRODUCT FACTS

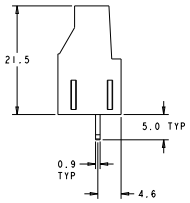
- Available in (2) centerline spacings: 6.35 mm and 9.52 mm pitch
- (2) position sizes available: 2 and 3 position
- Wire range: 10-24 AWG
- Available in (3) wire entry configurations: side wire, top wire and 35° angle

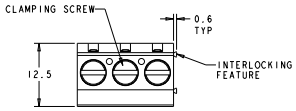
### PCB MOUNT HIGH CURRENT VERTICAL TERMINAL BLOCKS, W/INTERLOCK, 6.35 mm CENTERLINE.

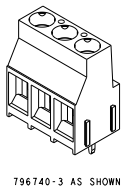
UL Rating – 300 V, 30 A 10-30 AWG, 15 A for field wiring applications

### Dimension [Unit: mm(in)]



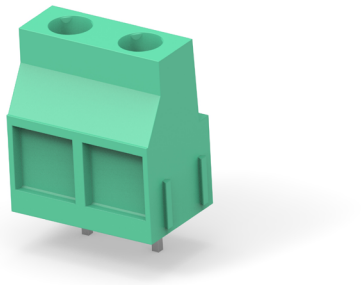

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 6.35 (0.250) | 796740-2 |
| 3 | 12.70 (0.500) | 796740-3 |

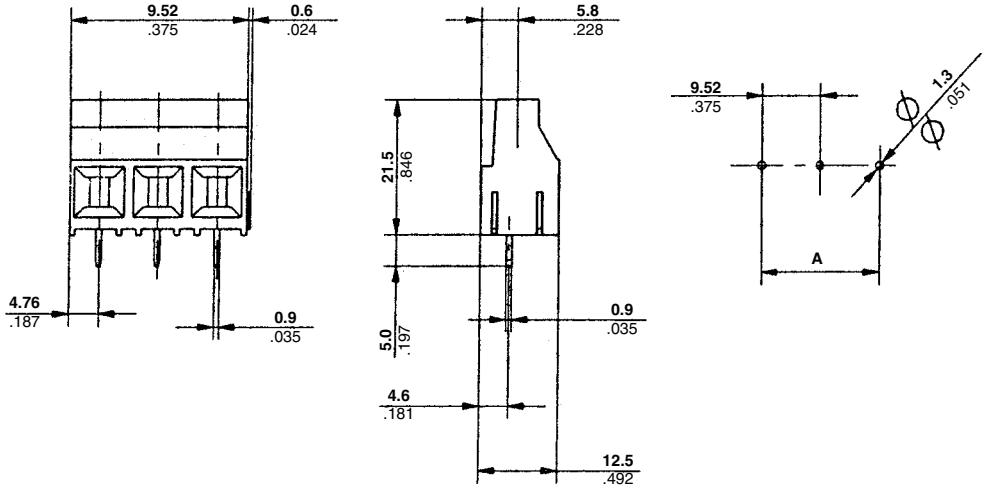
## HIGH CURRENT PCB MOUNT, VERTICAL TERMINAL BLOCK

### PCB MOUNT HIGH CURRENT VERTICAL TERMINAL BLOCKS ,W/INTERLOCK, 9.52 mm CENTERLINE.

UL Rating – 300 V, 30 A 10-30 AWG, 15 A for field wiring applications



Dimension [Unit: mm(in)]



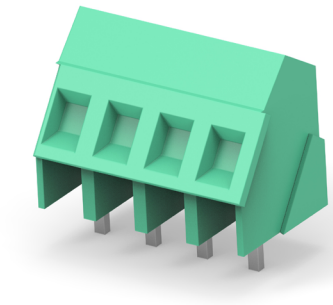

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 9.52 (0.375) | 796739-2 |
| 3 | 19.04 (0.704) | 796739-3 |

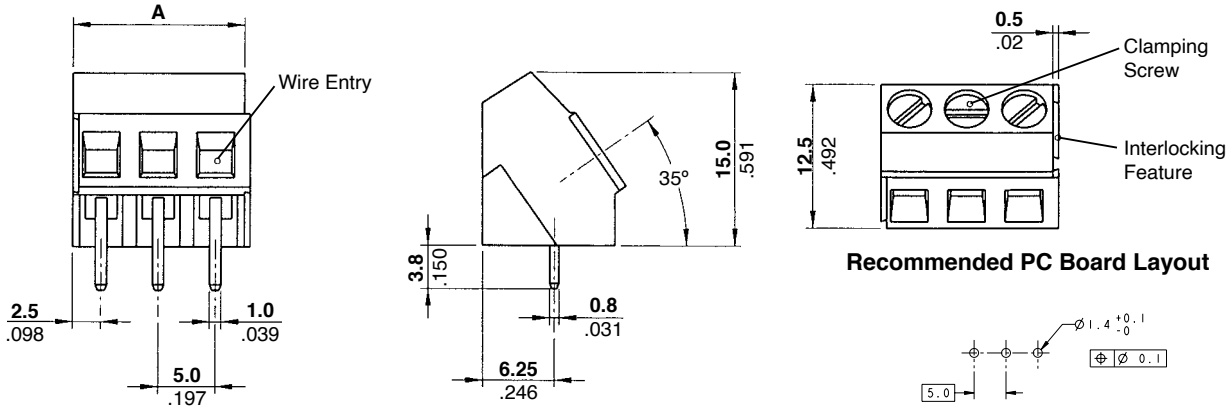
## PCB MOUNT, TERMINAL BLOCK W/ANGULAR WIRE ENTRY

### PCB MOUNT W/INTERLOCK, 5.0 mm CENTERLINE, 35° ANGLED WIRE ENTRY

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

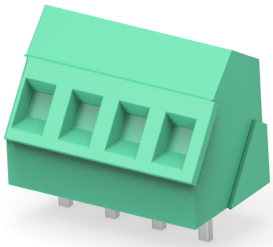
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 35° |
| 2 | 10.0 (0.394) | 796690-2 |
| 3 | 15.0 (0.591) | 796690-3 |
| 4 | 20.0 (0.787) | 796690-4 |
| 5 | 25.0 (0.984) | 796690-5 |
| 6 | 30.0 (1.181) | 796690-6 |
| 7 | 35.0 (1.378) | 796690-7 |
| 8 | 40.0 (1.575) | 796690-8 |
| 9 | 45.0 (1.772) | 796690-9 |
| 10 | 50.0 (1.968) | 1-796690-0 |
| 11 | 55.0 (2.165) | 1-796690-1 |
| 12 | 60.0 (2.362) | 1-796690-2 |

**Note:** BUCHANAN Terminal Block 796690* has been replaced with Part Number 796689* (Black)

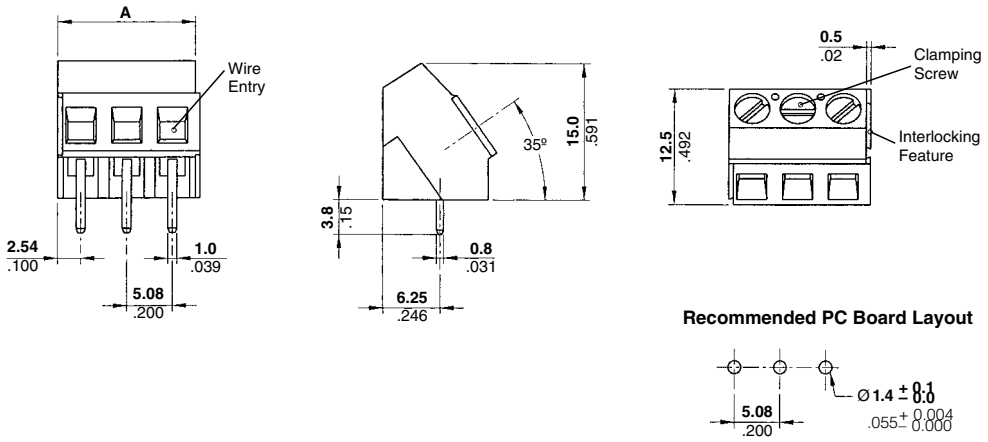
## PCB MOUNT, TERMINAL BLOCK W/ANGULAR WIRE ENTRY

### PCB MOUNT W/INTERLOCK, 5.08 mm CENTERLINE, 35° ANGLED WIRE ENTRY

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

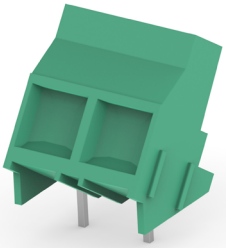
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 35° |
| 2 | 10.16 (0.400) | 282847-2 |
| 3 | 15.24 (0.600) | 282847-3 |
| 4 | 20.32 (0.800) | 282847-4 |
| 5 | 25.40 (1.000) | 282847-5 |
| 6 | 30.48 (1.200) | 282847-6 |
| 7 | 35.56 (1.400) | 282847-7 |
| 8 | 40.64 (1.600) | 282847-8 |
| 9 | 45.72 (1.800) | 282847-9 |
| 10 | 50.80 (2.000) | 1-282847-0 |
| 11 | 55.88 (2.200) | 1-282847-1 |
| 12 | 60.96 (2.400) | 1-282847-2 |

**Note:** BUCHANAN Terminal Block 282847* has been replaced with Part Number 1546074* (Black).

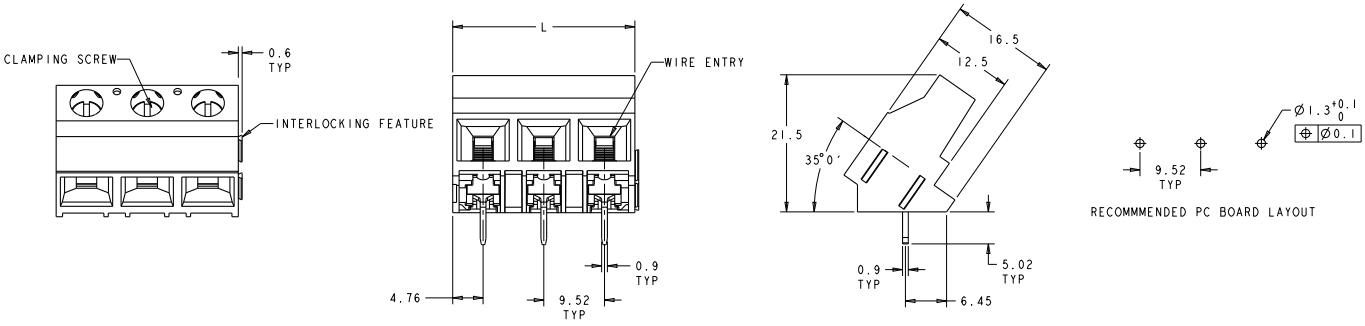
## PCB MOUNT, TERMINAL BLOCK W/ANGULAR WIRE ENTRY

### PCB MOUNT W/INTERLOCK, 9.52 mm CENTERLINE, 35° ANGLED WIRE ENTRY

UL Rating – 600 V, 30 A 10-24 AWG



Dimension [Unit: mm(in)]



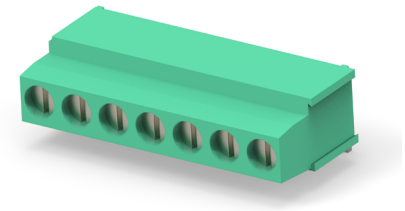

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 35° |
| 2 | 9.52 (0.375) | 796741-2 |
| 3 | 19.04 (0.704) | 796741-3 |

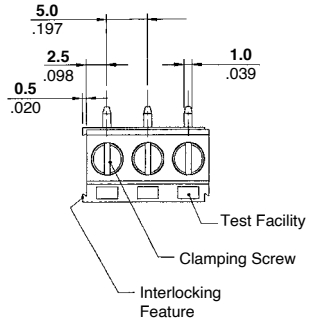
## PCB MOUNT, TERMINAL BLOCK W/ANGULAR WIRE ENTRY

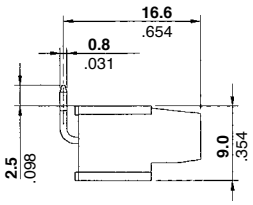
### PCB MOUNT W/INTERLOCK, 5.0 mm CENTERLINE, BOTTOM WIRE ENTRY (270° ANGLED)

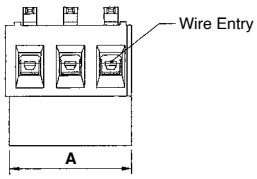
UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

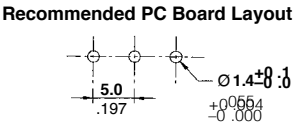


### Dimension [Unit: mm(in)]



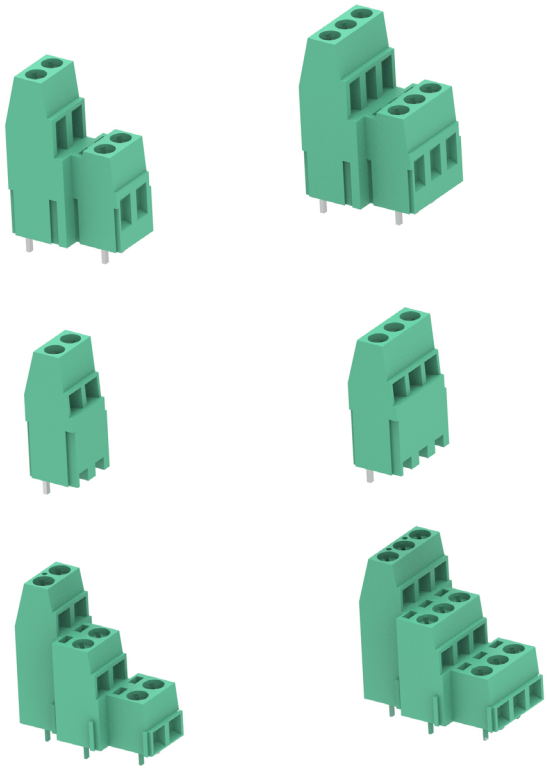




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 270° |
| 2 | 10.0 (0.394) | 284410-2 |
| 3 | 15.0 (0.591) | 284410-3 |
| 4 | 20.0 (0.787) | 284410-4 |
| 5 | 25.0 (0.984) | 284410-5 |
| 7 | 35.0 (1.378) | 284410-7 |

# PCB MOUNT MULTI-LEVEL STACKING TERMINAL BLOCK

## PCB MOUNT W/INTERLOCK, MULTI-LEVEL STACKING 16-30 AWG



## INTRODUCTION

TE Connectivity is expanding the range of board mount terminal blocks with its family of multi-level Terminal Block stacking connectors; three different heights are available to combine one-piece blocks, according to the user's need for better space utilization and easier wire accessibility.

5.0 and 5.08 mm centerline blocks suitable for 1.5 $mm^2$ max. solid wire and 1.0 $mm^2$ max. stranded wire are described in the following pages.

## PRODUCT FACTS

- One-piece board mount terminal blocks
- Interchangeable with existing products of other terminal block suppliers
- PC board footprint fully compatible with existing Industry Standards: pc board thickness 1.6–2.4 mm
- Modular design with interlocking fixture to assemble higher number ofways applies to 5.0 and 5.08 mm centerlines
- Rising screw clamp design
- Funnel entry housing for easier wire insertion
- Test probe access
- Terminal blocks supplied with open captive screws

### MECHANICAL/ENVIRONMENTAL PERFORMANCE

- Operating Temperature: -40°C up to +105°C
- Climate Category: 40/110/21 per IEC 68-1

### LEVEL COMBINATIONS

1st and 2nd level; 2nd and 3rd level; three levels, 2nd level; 3rd level

| Level | Height |
|---|---|
| 1st Level | 10.0 mm |
| 2nd Level | 19.0 mm |
| 3rd Level | 28.0 mm |

## PCB MOUNT W/INTERLOCK, MULTI-LEVEL STACKING 12-30 AWG

5.0, 5.08, 10.0 and 10.16 mm centerline blocks suitable for 4.0 $mm^2$ max. solid wire and 2.5 $mm^2$ max. stranded wire are described in the following pages.

### MECHANICAL/ENVIRONMENTAL PERFORMANCE

- Operating Temperature - -40°C up to +105°C
- Climate Category - 40/110/21 per IEC 68-1

| Level | Height |
|---|---|
| 1st Level | 18.6 mm |
| 2nd Level | 31.5 mm |
| 3rd Level | 45.0 mm |

| Centerline | No. of Pos. | Level Combinations |
|---|---|---|
| 5.0 mm | 2-3 | 1st and 2nd level; 2nd and 3rd level; three levels, 2nd level; 3rd level |
| 5.08 mm | 2-3 | 1st and 2nd level; 2nd and 3rd level; three levels, 2nd level; 3rd level |

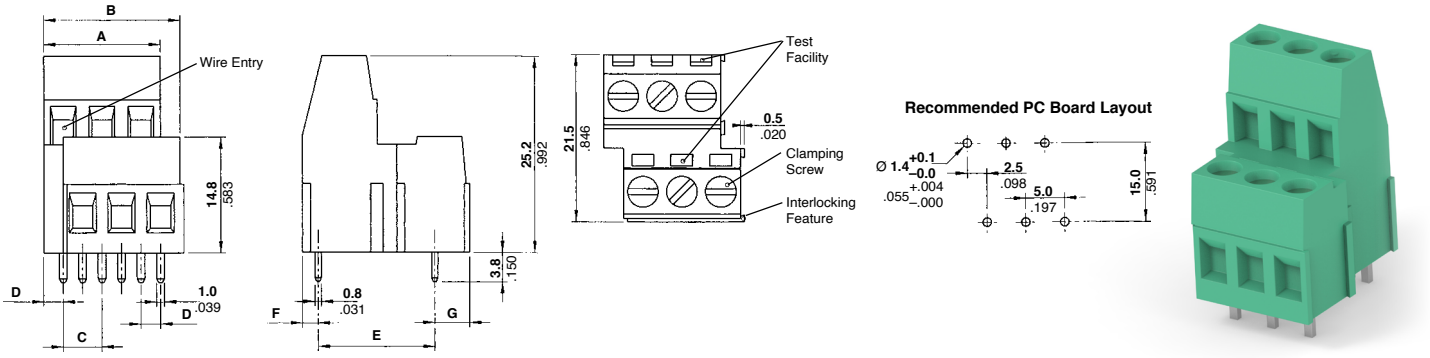
# PCB MOUNT, 1ST AND 2ND LEVEL STACKING TERMINAL BLOCKS - 5.0 mm PITCH

## PCB MOUNT W/INTERLOCK, 5.0 mm CENTERLINE, 1ST AND 2ND LEVEL, STACKING

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

### VERTICAL

Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. Of Positions | Dim. A: mm(in) | | | | | | | Part Numbers |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | 180° |
| 2 | 10.0 | 12.5 | 5.0 | 2.5 | 15.0 | 2.0 | 4.5 | 282888-2 |
| | (0.394) | (0.492) | (0.197) | (0.098) | (0.591) | (0.079) | (0.177) | |
| 3 | 15.0 | 17.5 | 5.0 | 2.5 | 15.0 | 2.0 | 4.5 | 282888-3 |
| | (0.591) | (0.689) | (0.197) | (0.098) | (0.591) | (0.079) | (0.177) | |

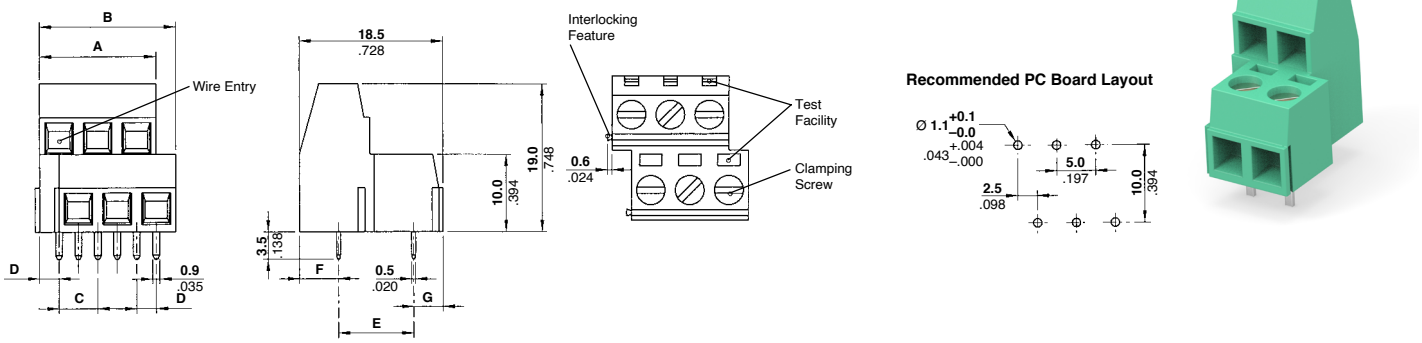
Notes:
1. BUCHANAN Terminal Block 282888* has been replaced with Part Number 796691* (Blue)
2. BUCHANAN Terminal Block Series B07C4VxxT has been superceded/replaced with 796691-xx (blue).
3. RDI Terminal Block Series 5LEEV-xx has been superceded/replaced with 796691-xx.

## PCB MOUNT W/INTERLOCK, 5.0 mm CENTERLINE, 1ST AND 2ND LEVEL, STACKING

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications

### VERTICAL

Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. Of Positions | Dim. A mm(in) | | | | | | | Part Numbers |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | 180° |
| 2 | 10.0 | 12.5 | 5.0 | 2.5 | 10.0 | 4.4 | 4.1 | 282868-2 |
| | (0.394) | (0.492) | (0.197) | (0.098) | (0.394) | (0.173) | (0.161) | |
| 3 | 15.0 | 17.5 | 5.0 | 2.5 | 10.0 | 4.4 | 4.1 | 282868-3 |
| | (0.591) | (0.689) | (0.197) | (0.098) | (0.394) | (0.173) | (0.161) | |

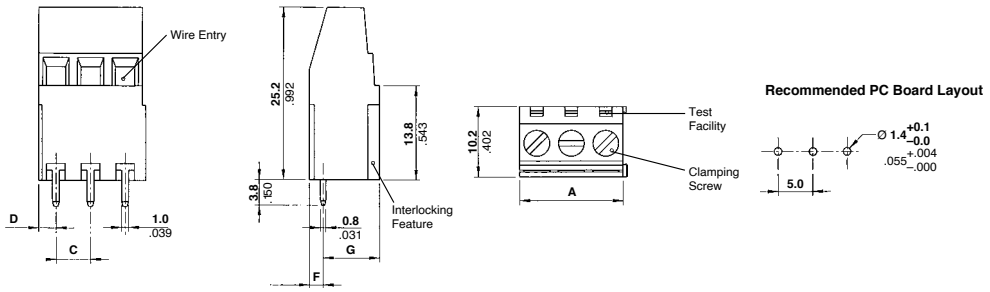
## PCB MOUNT, 2ND LEVEL STACKING TERMINAL BLOCKS - 5.0 mm PITCH

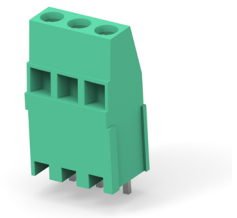
### PCB MOUNT W/INTERLOCK 5.0 mm CENTERLINE, 2ND LEVEL, STACKING

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

#### VERTICAL

Dimension [Unit: mm(in)]



### PRODUCT INFORMATION

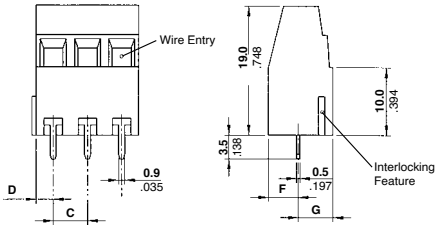
| No. Of Positions | Dim. A mm(in) | | | | | Part Numbers |
|---|---|---|---|---|---|---|
| | A | C | D | F | G | 180° |
| 2 | 10.0 | 5.0 | 2.5 | 2.0 | 8.2 | 282900-2 |
| | (0.394) | (0.197) | (0.098) | (0.079) | (0.323) | |
| 3 | 15.0 | 5.0 | 2.5 | 2.0 | 8.2 | 282900-3 |
| | (0.591) | (0.197) | (0.098) | (0.079) | (0.323) | |

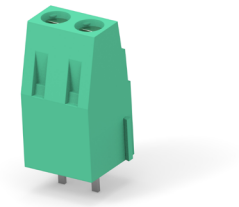
### PCB MOUNT W/INTERLOCK 5.0 mm CENTERLINE, 2ND LEVEL, STACKING

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications

#### VERTICAL

Dimension [Unit: mm(in)]



### PRODUCT INFORMATION

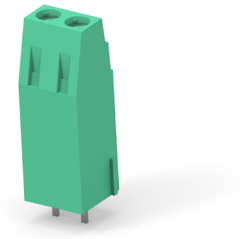
| No. Of Positions | Dim. A mm(in) | | | | | Part Numbers |
|---|---|---|---|---|---|---|
| | A | C | D | F | G | 180° |
| 2 | 10.0 | 5.0 | 2.5 | 4.4 | 5.1 | 282880-2 |
| | (0.394) | (0.197) | (0.098) | (0.173) | (0.201) | |
| 3 | 15.0 | 5.0 | 2.5 | 4.4 | 5.1 | 282880-3 |
| | (0.591) | (0.197) | (0.098) | (0.173) | (0.201) | |

# PCB MOUNT, 3RD LEVEL STACKING TERMINAL BLOCKS - 5.0 mm PITCH

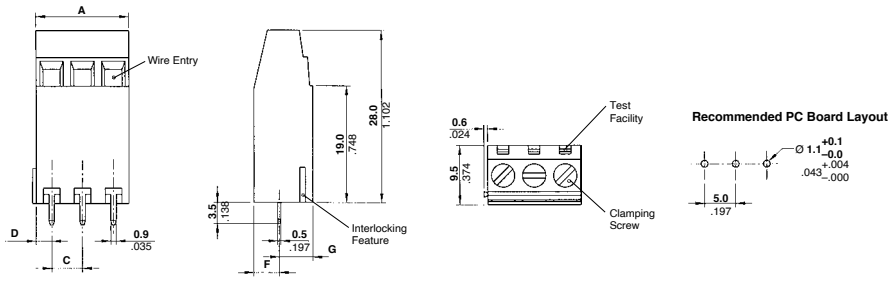
## PCB MOUNT W/INTERLOCK 5.0 mm CENTERLINE, 3RD LEVEL, STACKING

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications

### VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. Of Positions | Dim. A mm(in) | | | | | Part Numbers |
|---|---|---|---|---|---|---|
| | A | C | D | F | G | 180° |
| 2 | 10.0 | 5.0 | 2.5 | 4.1 | 5.4 | 282884-2 |
| | (0.394) | (0.197) | (0.098) | (0.173) | (0.213) | |
| 3 | 15.0 | 5.0 | 2.5 | 4.1 | 5.4 | 282884-3 |
| | (0.591) | (0.197) | (0.098) | (0.173) | (0.213) | |

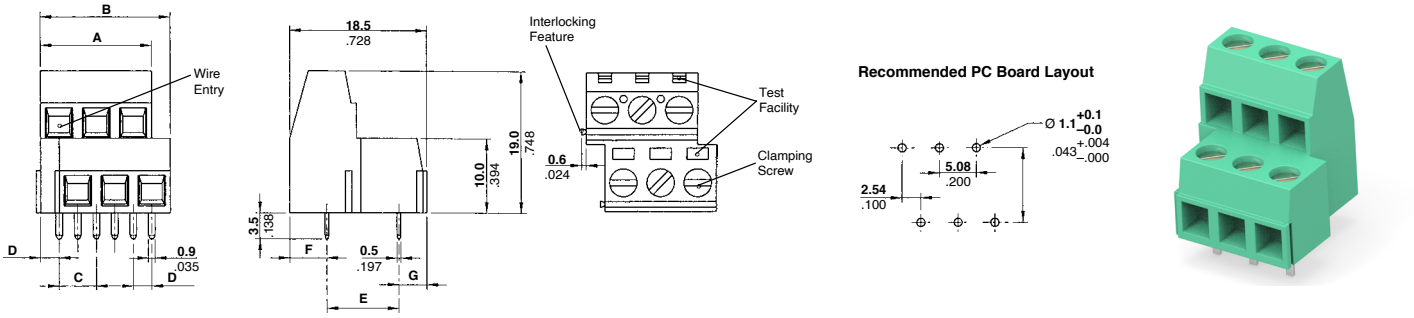
# PCB MOUNT, 1ST AND 2ND LEVEL STACKING TERMINAL BLOCKS - 5.08 mm PITCH

## PCB MOUNT W/INTERLOCK, 5.08 mm CENTERLINE, 1ST AND 2ND LEVEL, STACKING

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications

### VERTICAL

Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

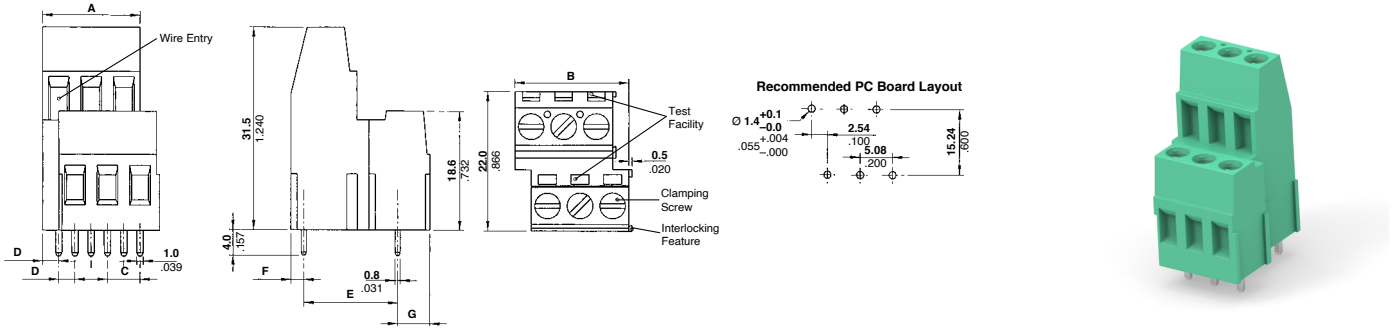
| No. Of Positions | Dim. A mm(in) | | | | | | | Part Numbers |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | 180° |
| 2 | 10.16 | 12.70 | 5.08 | 2.54 | 10.16 | 4.24 | 4.1 | 282869-2 |
| | (0.400) | (0.500) | (0.200) | (0.100) | (0.400) | (0.167) | (0.161) | |
| 3 | 15.24 | 17.78 | 5.08 | 2.54 | 10.16 | 4.24 | 4.1 | 282869-3 |
| | (0.600) | (0.700) | (0.200) | (0.100) | (0.400) | (0.167) | (0.161) | |

## PCB MOUNT W/INTERLOCK, 5.08 mm CENTERLINE, 1ST AND 2ND LEVEL, STACKING

UL Rating – 300 V, 24 A 12-30 AWG, 20 A for field wiring applications

### VERTICAL

Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

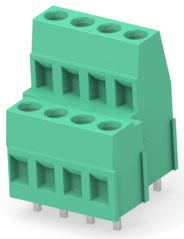
| No. Of Positions | Dim. A mm(in) | | | | | | | Part Numbers |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | 180° |
| 2 | 10.16 | 12.70 | 5.08 | 2.54 | 15.24 | 1.76 | 5.0 | 282909-2 |
| | (0.400) | (0.500) | (0.200) | (0.100) | (0.600) | (0.069) | (0.197) | |
| 3 | 15.24 | 17.78 | 5.08 | 2.54 | 15.24 | 1.76 | 5.0 | 282909-3 |
| | (0.600) | (0.700) | (0.200) | (0.100) | (0.600) | (0.069) | (0.197) | |

# PCB MOUNT, 1ST AND 2ND LEVEL STACKING TERMINAL BLOCKS - 5.08 mm PITCH

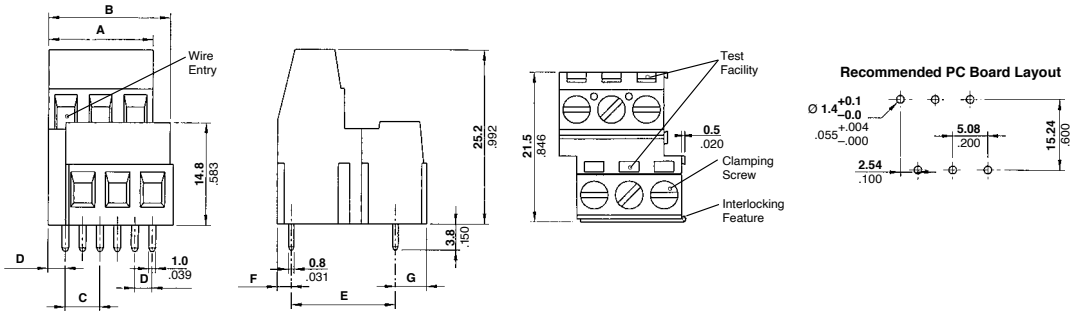
## PCB MOUNT W/INTERLOCK, 5.08 mm CENTERLINE, 1ST AND 2ND LEVEL, STACKING

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

### VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. Of Positions | Dim. A mm(in) | | | | | | | Part Number |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | 180° |
| 2 | 10.16 | 12.70 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 796692-2 |
| | (0.400) | (0.500) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 3 | 15.24 | 17.78 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 796692-3 |
| | (0.600) | (0.700) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 4 | 20.32 | 22.86 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 796692-4 |
| | (0.80) | (0.90) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 5 | 25.40 | 27.94 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 796692-5 |
| | (1.00) | (1.10) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 6 | 30.48 | 33.02 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 796692-6 |
| | (1.20) | (1.30) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 7 | 35.56 | 38.10 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 796692-7 |
| | (1.40) | (1.50) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 8 | 40.64 | 43.18 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 796692-8 |
| | (1.60) | (1.70) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 9 | 45.72 | 48.26 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 796692-9 |
| | (1.80) | (1.90) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 10 | 50.80 | 53.34 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 1-796692-0 |
| | (2.00) | (2.10) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 11 | 55.88 | 58.42 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 1-796692-1 |
| | (2.20) | (2.30) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |
| 12 | 60.96 | 63.50 | 5.08 | 2.54 | 15.24 | 1.76 | 4.5 | 1-796692-2 |
| | (2.40) | (2.50) | (0.200) | (0.100) | (0.600) | (0.069) | (0.177) | |

**Note:**

1. RDI Terminal Block Series 2LEEV-xx/2 has been superceded/replaced with 796692-xx (green).
2. BUCHANAN Terminal Block 796692* has been replaced with Part Number 796984* (Black)

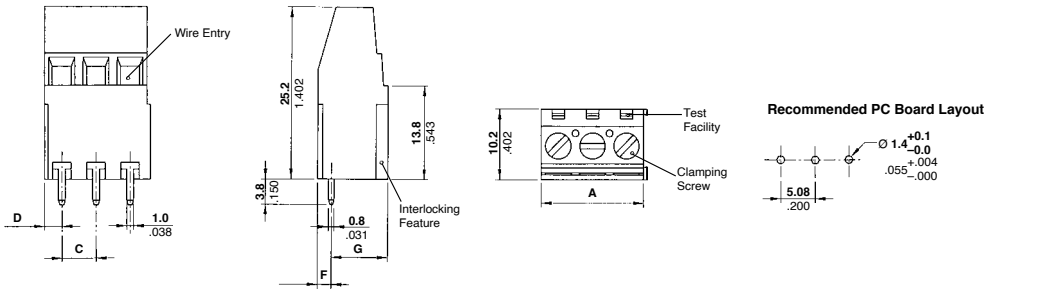
## PCB MOUNT, 2ND LEVEL STACKING TERMINAL BLOCKS - 5.08 mm PITCH

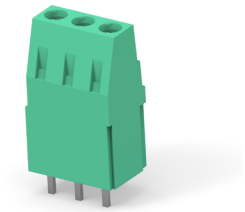
### PCB MOUNT W/INTERLOCK 5.08 mm CENTERLINE, 2ND LEVEL, STACKING

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

#### VERTICAL

Dimension [Unit: mm(in)]



### PRODUCT INFORMATION

| No. Of Positions | Dim. A mm(in) | | | | | Part Numbers |
|---|---|---|---|---|---|---|
| | A | C | D | F | G | 180° |
| 2 | 10.16 | 5.08 | 2.54 | 1.76 | 8.44 | 282901-2 |
| | (0.400) | (0.200) | (0.100) | (0.069) | (0.332) | |
| 3 | 15.24 | 5.08 | 2.54 | 1.76 | 8.44 | 282901-3 |
| | (0.600) | (0.200) | (0.100) | (0.069) | (0.332) | |

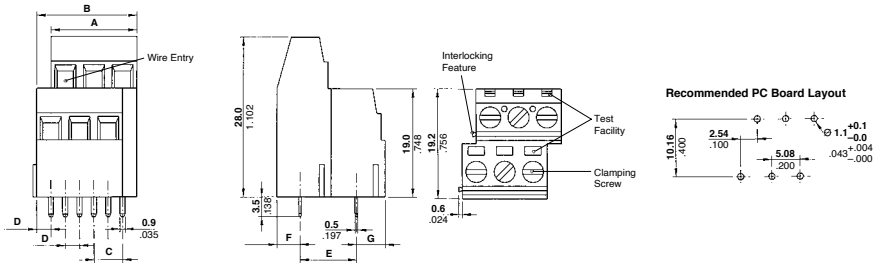
## PCB MOUNT, 2ND AND 3RD LEVEL STACKING TERMINAL BLOCKS - 5.08 mm PITCH

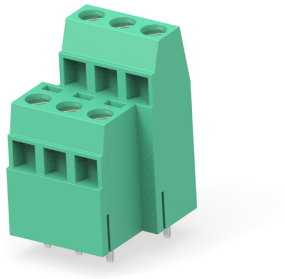
### PCB MOUNT W/INTERLOCK, 5.08 mm CENTERLINE, 2ND AND 3RD LEVEL, STACKING

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications

#### VERTICAL

Dimension [Unit: mm(in)]



### PRODUCT INFORMATION

| No. Of Positions | Dim. A mm(in) | | | | | | | Part Numbers |
|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | 180° |
| 2 | 10.16 | 12.70 | 5.08 | 2.54 | 10.16 | 3.78 | 5.26 | 282873-2 |
| | (0.400) | (0.500) | (0.200) | (0.100) | (0.400) | (0.149) | (0.207) | |
| 3 | 15.24 | 17.78 | 5.08 | 2.54 | 10.16 | 3.78 | 5.26 | 282873-3 |
| | (0.600) | (0.700) | (0.200) | (0.100) | (0.400) | (0.149) | (0.207) | |

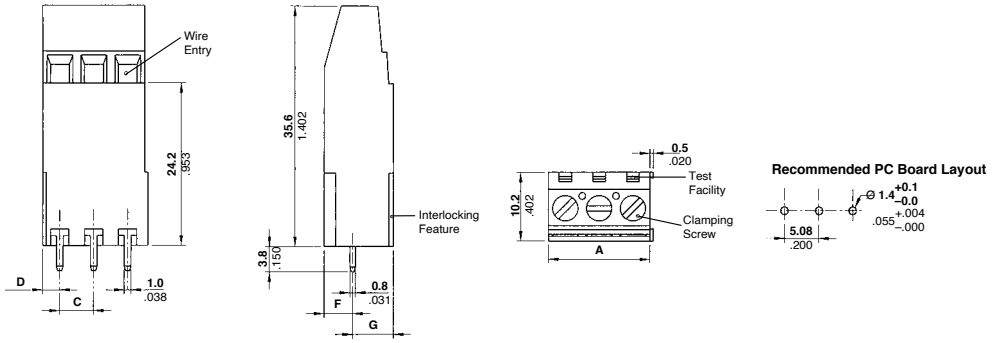
# PCB MOUNT, 3RD LEVEL STACKING CONNECTORS - 5.08 mm PITCH

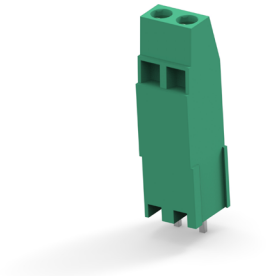
## PCB MOUNT W/INTERLOCK 5.08 mm CENTERLINE, 3RD LEVEL, STACKING

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

### VERTICAL

### Dimension [Unit: mm(in)]



## PRODUCT INFORMATION

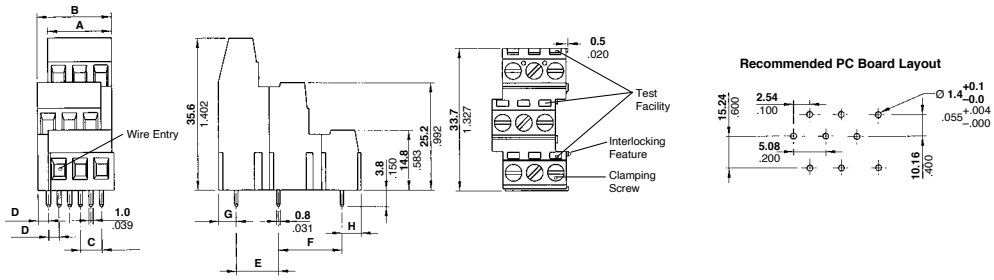
| No. Of Positions | Dim. A mm(in) | | | | | Part Numbers |
|---|---|---|---|---|---|---|
| | A | C | D | F | G | 180° |
| 2 | 10.16 | 5.08 | 2.54 | 3.8 | 6.4 | 282905-2 |
| | (0.400) | (0.200) | (0.100) | (0.150) | (0.252) | |

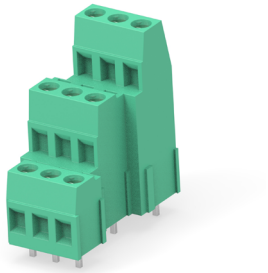
## PCB MOUNT W/INTERLOCK 5.08 mm CENTERLINE, 3RD LEVEL, STACKING

UL Rating – 300 V, 17.5 A 12-30 AWG, 15 A for field wiring applications

### VERTICAL

### Dimension [Unit: mm(in)]



## PRODUCT INFORMATION

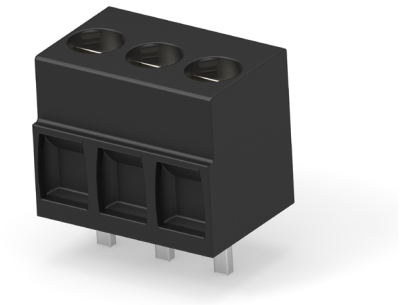
| No. Of Positions | Dim. A mm(in) | | | | | | | | Part Numbers |
|---|---|---|---|---|---|---|---|---|---|
| | A | B | C | D | E | F | G | H | 180° |
| 2 | 10.16 | 12.70 | 5.08 | 2.54 | 10.16 | 15.24 | 3.8 | 4.5 | 282897-2 |
| | (0.400) | (0.500) | (0.200) | (0.100) | (0.400) | (0.600) | (0.150) | (0.177) | |
| 3 | 15.24 | 17.78 | 5.08 | 2.54 | 10.16 | 15.24 | 3.8 | 4.5 | 282897-3 |
| | (0.600) | (0.700) | (0.200) | (0.100) | (0.400) | (0.600) | (0.150) | (0.177) | |

**Note:** BUCHANAN Terminal Block 282897* has been replaced with Part Number 1546233* (Black)

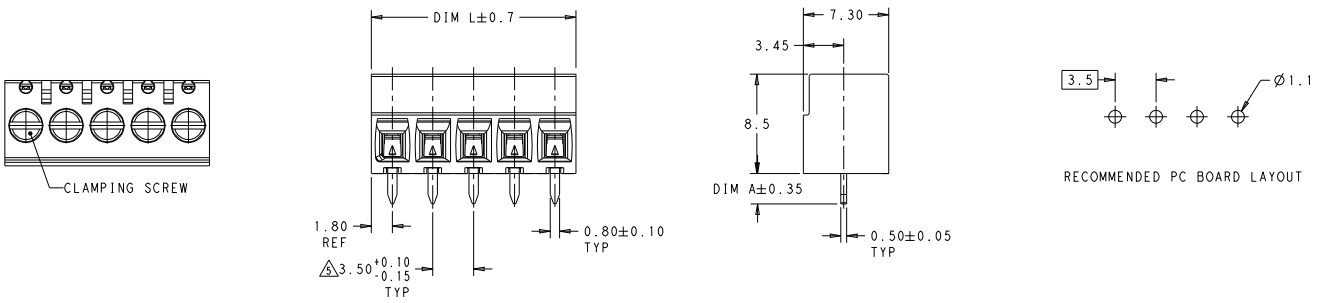
## PCB MOUNT, HIGH TEMPERATURE VERSION TERMINAL BLOCKS

### PCB MOUNT 3.5 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 300 V, 12 A 16-28 AWG



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

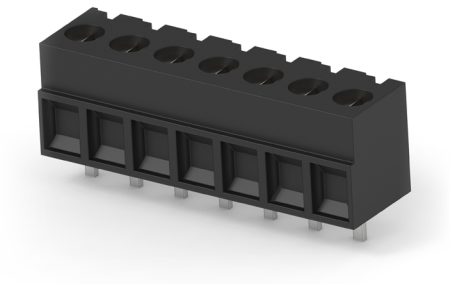
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 7.00 (0.276) | 1776112-2 |
| 3 | 10.50 (0.413) | 1776112-3 |
| 4 | 14.00 (0.551) | 1776112-4 |

*Wave solder process capable to 265°C (509°F) for 10 seconds

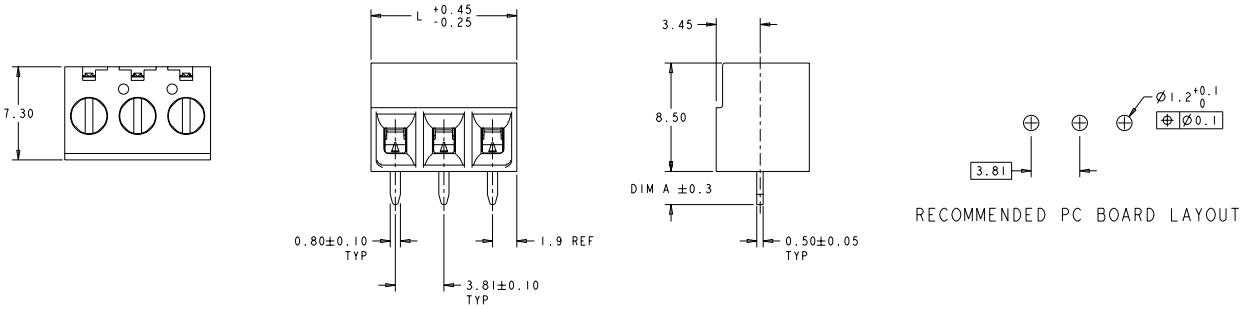
## PCB MOUNT, HIGH TEMPERATURE VERSION TERMINAL BLOCKS

### PCB MOUNT, 3.81 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 150 V, 12 A 16-28 AWG



**Dimension [Unit: mm(in)]**




## PRODUCT INFORMATION

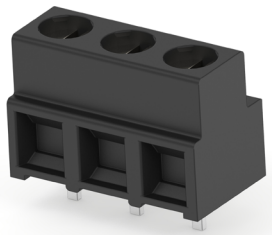
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 7.62 (0.300) | 1776113-2 |
| 3 | 11.43 (0.450) | 1776113-3 |
| 4 | 15.24 (0.600) | 1776113-4 |
| 5 | 19.05 (0.750) | 1776113-5 |
| 6 | 22.86 (0.900) | 1776113-6 |
| 8 | 30.48 (1.200) | 1776113-8 |
| 9 | 34.29 (1.350) | 1776113-9 |
| 10 | 38.10 (1.500) | 1-1776113-0 |
| 12 | 45.72 (1.800) | 1-1776113-2 |

*Wave solder process capable to 265°C (509°F) for 10 seconds

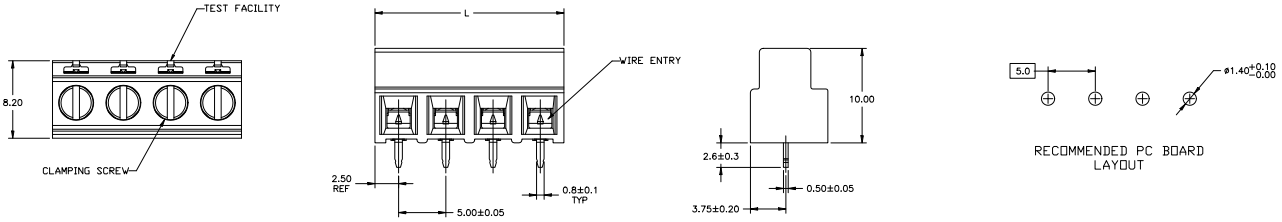
## PCB MOUNT, HIGH TEMPERATURE VERSION TERMINAL BLOCKS

### PCB MOUNT W/INTERLOCK, LOW PROFILE, 5.0 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

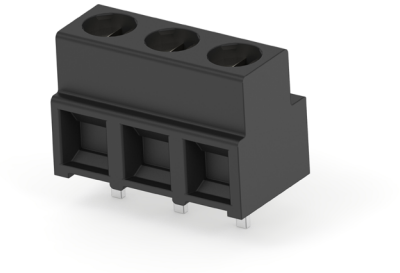
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 10.0 (0.394) | 1776118-2 |
| 3 | 15.0 (0.591) | 1776118-3 |
| 4 | 20.0 (0.787) | 1776118-4 |
| 5 | 25.0 (0.984) | 1776118-5 |
| 6 | 30.0 (1.181) | 1776118-6 |
| 7 | 35.0 (1.378) | 1776118-7 |
| 8 | 40.0 (1.575) | 1776118-8 |

*Wave solder process capable to 265°C (509°F) for 10 seconds

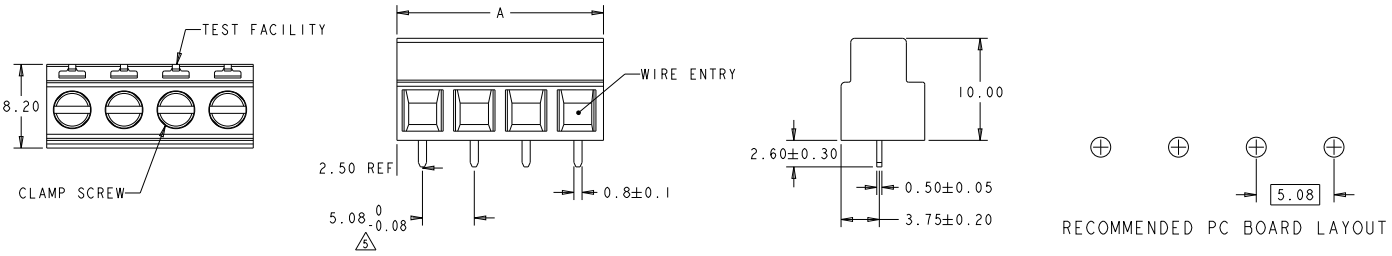
## PCB MOUNT, HIGH TEMPERATURE VERSION TERMINAL BLOCKS

### PCB MOUNT W/INTERLOCK, LOW PROFILE, 5.08 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

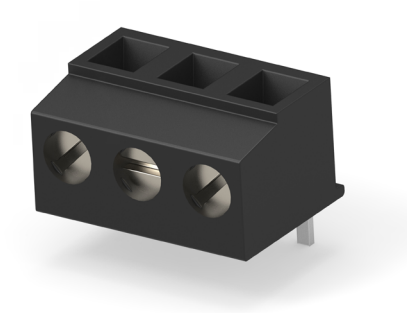
| No. of Positions | Dim. A mm(in) | Part Number |
|---|---|---|
| | | 180° |
| 2 | 10.16 (0.400) | 1776119-2 |
| 3 | 15.24 (0.600) | 1776119-3 |
| 4 | 20.32 (0.800) | 1776119-4 |
| 5 | 25.40 (1.000) | 1776119-5 |
| 6 | 30.48 (1.200) | 1776119-6 |

*Wave solder process capable to 265°C (509°F) for 10 seconds

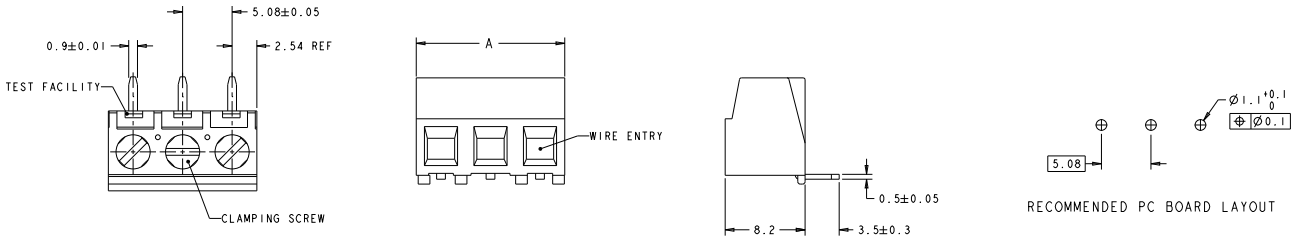
## PCB MOUNT, HIGH TEMPERATURE VERSION TERMINAL BLOCKS

### PCB MOUNT W/INTERLOCK, LOW PROFILE, 5.08 mm CENTERLINE, TOP WIRE ENTRY

UL Rating – 300 V, 13.5 A 16-30 AWG, 10 A for field wiring applications



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

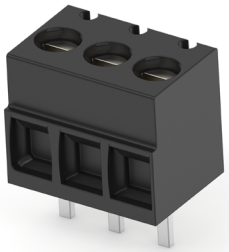
| No. of Positions | Dim. A mm(in) | Part Number |
|---|---|---|
| | | 90° |
| 2 | 10.16 (0.400) | 1776121-2 |
| 3 | 15.24 (0.600) | 1776121-3 |
| 4 | 20.32 (0.800) | 1776121-4 |
| 5 | 25.40 (1.000) | 1776121-5 |
| 6 | 30.48 (1.200) | 1776121-6 |
| 7 | 35.56 (1.400) | 1776121-7 |
| 8 | 40.64 (1.600) | 1776121-8 |

*Wave solder process capable to 265°C (509°F) for 10 seconds

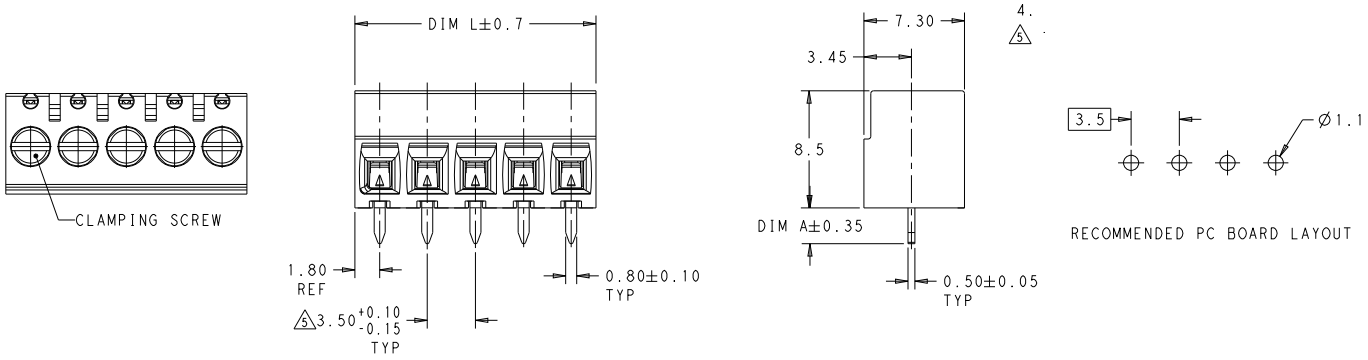
## PCB MOUNT, HIGH TEMPERATURE VERSION TERMINAL BLOCKS

### PCB MOUNT, LOW PROFILE, 10.0 mm CENTERLINE, SIDE WIRE ENTRY

UL Rating – 600 V, 13.5 A 16-30 AWG, 10 A for field wiring applications



**Dimension [Unit: mm(in)]**




## PRODUCT INFORMATION

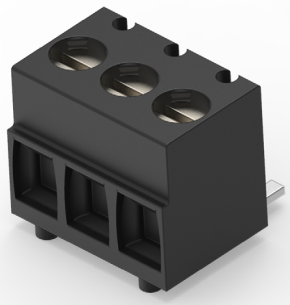
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 15.0 (0.591) | 1776112-2 |
| 3 | 25.0 (0.984) | 1776112-3 |
| 4 | 35.0 (1.378) | 1776112-4 |

*Wave solder process capable to 265°C (509°F) for 10 seconds

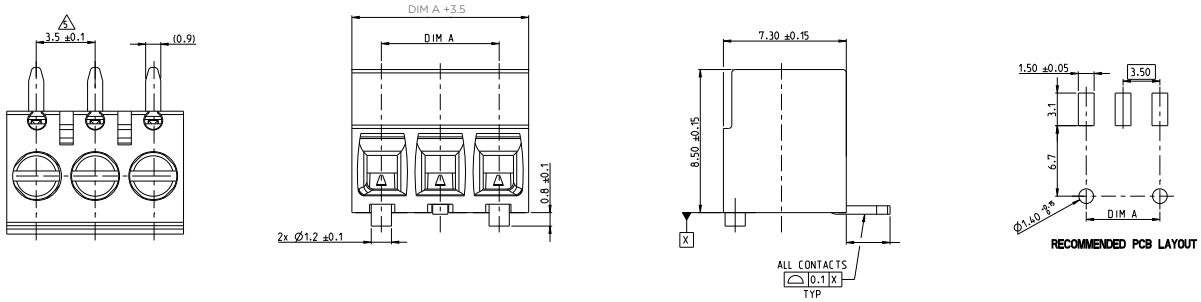
## PCB MOUNT, SMD VERSION TERMINAL BLOCK

### PCB MOUNT, SMD VERSION TERMINAL BLOCK - 3.5 mm PITCH

#### VERTICAL



Dimension [Unit: mm(in)]



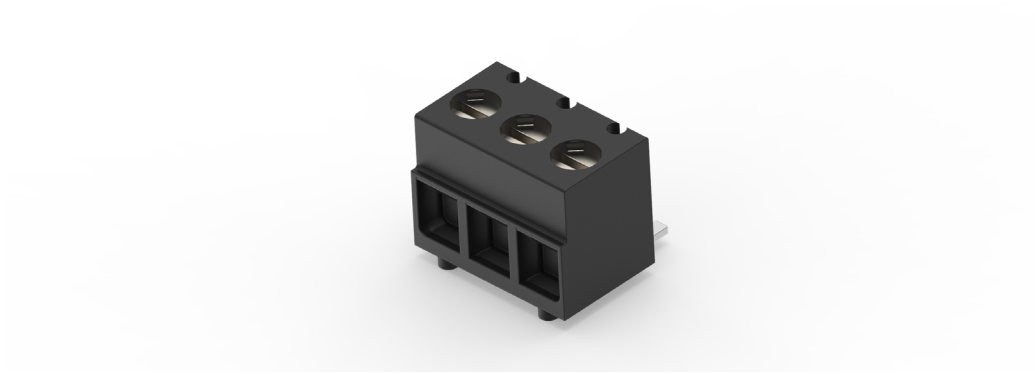

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 7.00 (0.275) | 2383942-2 |
| 3 | 10.50 (0.413) | 2383942-3 |
| 4 | 14.00 (0.551) | 2383942-4 |
| 5 | 17.50 (0.688) | 2383942-5 |
| 6 | 21.00 (0.826) | 2383942-6 |
| 7 | 24.50 (0.964) | 2383942-7 |
| 8 | 28.00 (1.10) | 2383942-8 |
| 9 | 31.50 (1.24) | 2383942-9 |
| 10 | 35.0 (1.37) | 1-2383942-0 |
| 11 | 38.00 (1.49) | 1-2383942-1 |
| 12 | 42.00 (1.65) | 1-2383942-2 |

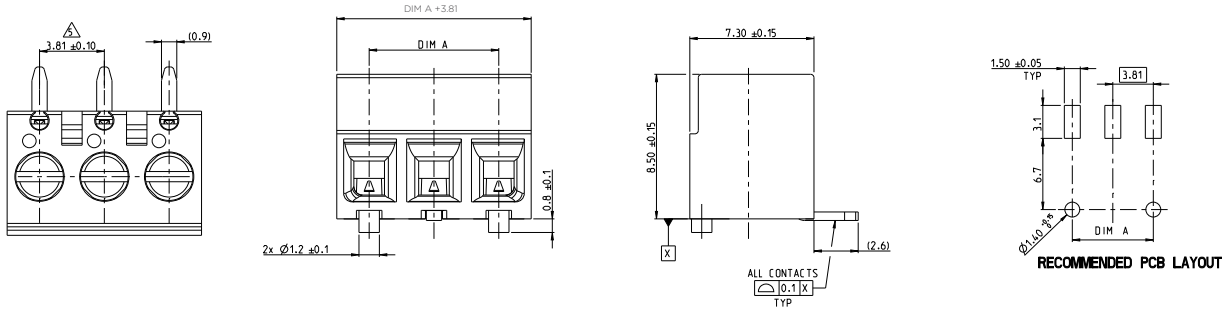
*Wave solder process capable to 265°C (509°F) for 10 seconds

## PCB MOUNT, SMD VERSION TERMINAL BLOCK - 3.81 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 7.62 (0.30) | 2383945-2 |
| 3 | 11.43 (0.45) | 2383945-3 |
| 4 | 15.24 (0.60) | 2383945-4 |
| 5 | 19.05 (0.75) | 2383945-5 |
| 6 | 22.86 (0.90) | 2383945-6 |
| 7 | 26.67 (1.05) | 2383945-7 |
| 8 | 30.48 (1.20) | 2383945-8 |
| 9 | 34.29 (1.35) | 2383945-9 |
| 10 | 38.10 (1.50) | 1-2383945-0 |
| 11 | 41.9 (1.64) | 1-2383945-1 |
| 12 | 45.72 (1.80) | 1-2383945-2 |

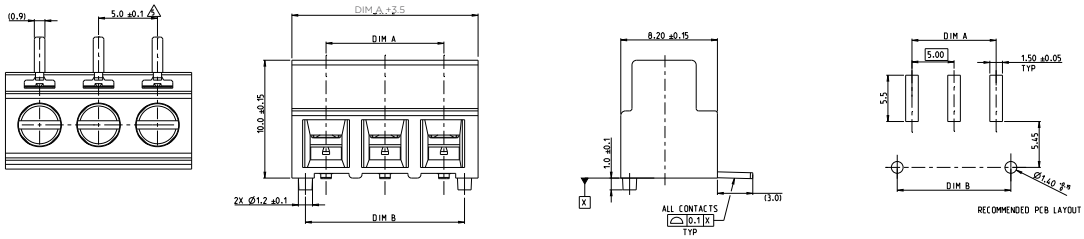
*Wave solder process capable to 265°C (509°F) for 10 seconds

## PCB MOUNT, SMD VERSION TERMINAL BLOCK - 5.0 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

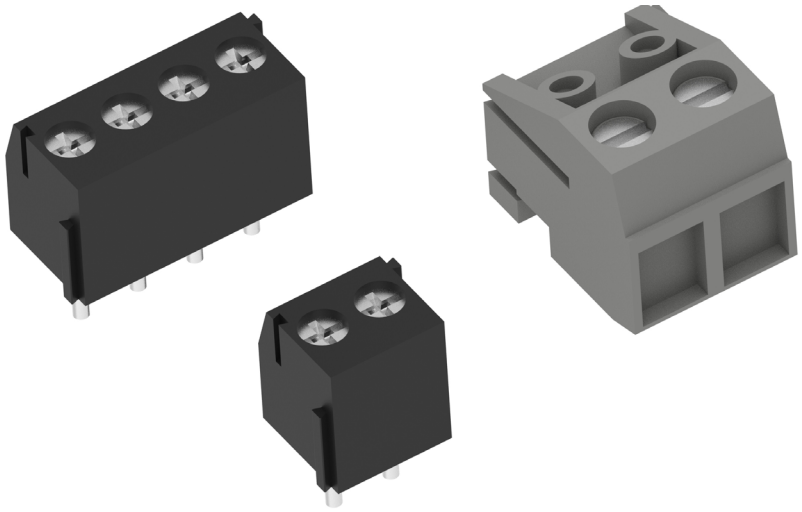



## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 10.80 (0.43) | 2383938-2 |
| 3 | 15.80 (0.62) | 2383938-3 |
| 4 | 20.80 (0.82) | 2383938-4 |
| 5 | 25.80 (1.02) | 2383938-5 |
| 6 | 30.80 (1.21) | 2383938-6 |
| 7 | 35.80 (1.41) | 2383938-7 |
| 8 | 40.80 (1.61) | 2383938-8 |
| 9 | 45.80 (1.80) | 2383938-9 |
| 10 | 50.80 (2.00) | 1-2383938-0 |
| 11 | 55.80 (2.19) | 1-2383938-1 |
| 12 | 60.80 (2.39) | 1-2383938-2 |
| 4 | 20.80 (0.82) | 5-2383938-4 |

*Wave solder process capable to 265°C (509°F) for 10 seconds

## PCB MOUNT, WIRE PROTECTOR VERSIONS TERMINAL BLOCKS



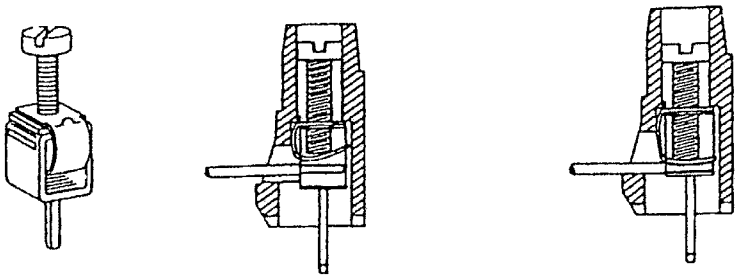
## INTRODUCTION

Has full wire guard protection so that the screw does not press directly on the wire. Offers “Lower Profile” terminal block than the cage clamp style. Designed for infrequent terminations.

The screw is able to accommodate both Slot head and Phillips style screwdrivers.

### PRODUCT FACTS

- Modular configuration designed with a dovetail and special detent to provide a more reliable attachment after combining smaller sizes to increase the number of available wire positions
- Accepts various wire ranges from 14-22 AWG
- Exceptional UL Flammability Classification. All are rated
- to a flammability classification of UL 94V-0. To achieve the UL94V-0 classification, all materials are tested and proven to be self-extinguishing
- UL Recognition File No. E28476
- CSA Certification File No. 209071
- Pitches Available
  - 5.0 mm and 5.08 mm Low Profile
  - Side and top wire entry
  - 3.5 mm Side Entry Only
  - 5.00 mm
  - 5.0 mm and 5.08 mm 45° wire entry
- Various position sizes available
- Ink marking available
- Other colors available upon request other than those listed in catalog



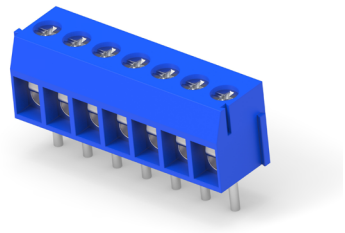
**Open** **Closed**

## PCB MOUNT, STRAIGHT, SIDE WIRE ENTRY CONNECTORS

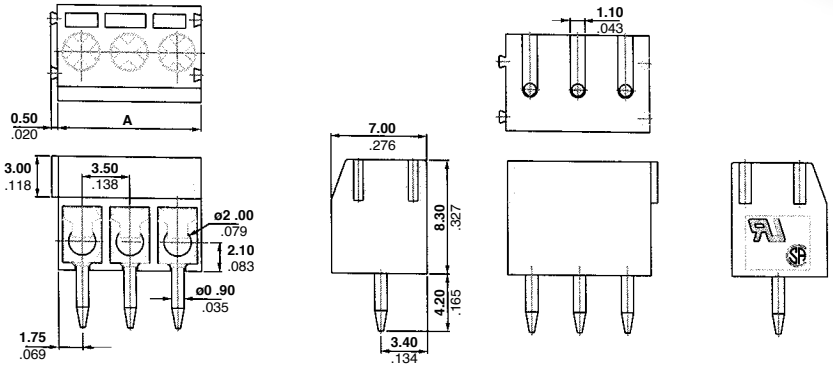
### TERMINAL BLOCK PCB MOUNT SIDE WIRE ENTRY W/INTERLOCK 3.5 mm PITCH (LT)

Color – Blue

UL Rating – 250 V, 7 A 18-26 AWG



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A | Part Numbers |
|---|---|---|
| 2 | 7.00 (0.276) | 1776275-2 |
| 3 | 10.50 (0.413) | 1776275-3 |
| 4 | 14.00 (0.551) | 1776275-4 |
| 5 | 17.50 (0.689) | 1776275-5 |
| 6 | 21.00 (0.827) | 1776275-6 |
| 10 | 35.00 (1.378) | 1-1776275-0 |
| 11 | 38.50 (1.516) | 1-1776275-1 |
| 12 | 42.00 (1.654) | 1-1776275-2 |

Wave solder process capable to 265°C (509°F) for 10 seconds

# PCB MOUNT, SCREWLESS TERMINAL BLOCKS

## INTRODUCTION

Screwless Terminal Blocks are suitable for both solid and stranded wires and offers a fast way to complete wire connections. The lever is fully integrated into the body of the terminal block, which means no special tools are required. The spring is made from stainless steel strip so that there is a strong connection.

## PRODUCT FACTS

- Available in 5.0 mm (0.197) and 5.08 mm (0.200) pitch sizes
- Wire range 14-22 AWG
- Current capability: 10 A (5.08 mm (0.200) lever version)
- Vertical and right-angle wire insertion provides options to meet different application needs
- No special tool required, levers can be easily actuated with a finger or a screwdriver
- Screwless saves time when installing wires
- UL Recognition
- CSA Certification

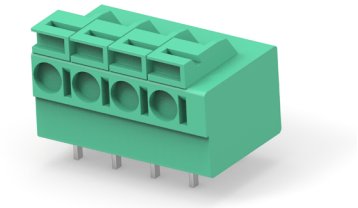
## MATERIAL & FINISH

- **Housing Material** - Thermoplastic polyester
- **Flammability** - UL94V-0
- **Color** - Black
- **Clamping Terminal and Solder Pin** - Acid-tin over copper alloy

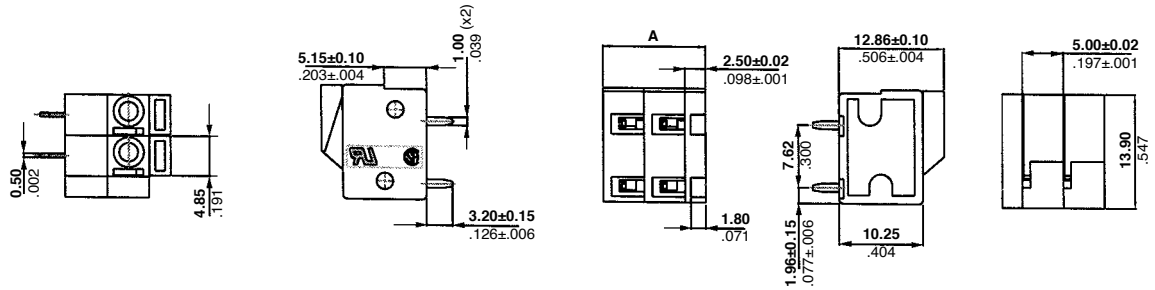
# SCREWLESS, SIDE WIRE ENTRY CONNECTORS

## BOARD MOUNT SCREWLESS, 5.0 mm PITCH, SIDE WIRE ENTRY, TERMINAL BLOCK

UL Rating – 300 V, 10 A 14-22 AWG



Dimension [Unit: mm(in)]




# PRODUCT INFORMATION

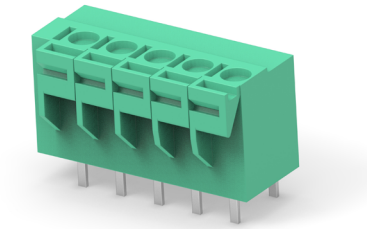
| No. of Positions | Dim. A | Part Numbers |
|---|---|---|
| 2 | 12.50 (0.492) | 1776261-2 |
| 4 | 22.50 (0.886) | 1776261-4 |
| 8 | 42.50 (1.673) | 1776261-8 |
| 12 | 62.50 (2.461) | 1-1776261-2 |

Wave solder process capable to 265°C (509°F) for 10 seconds

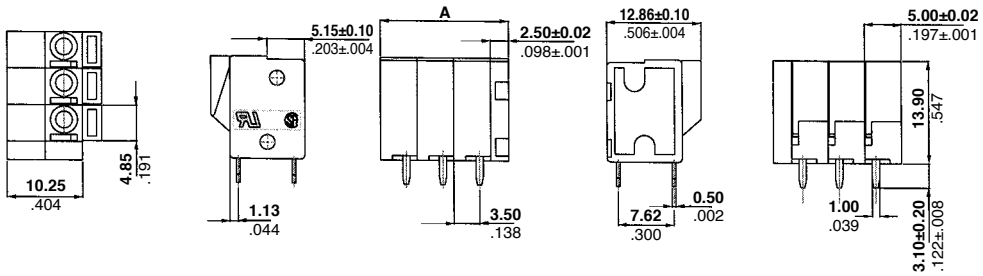
## SCREWLESS, TOP WIRE ENTRY CONNECTORS

### BOARD MOUNT SCREWLESS, 5.0 mm PITCH, TOP WIRE ENTRY, TERMINAL BLOCK COLOR – GREEN

UL Rating – 300 V, 10 A 14-22 AWG



Dimension [Unit: mm(in)]

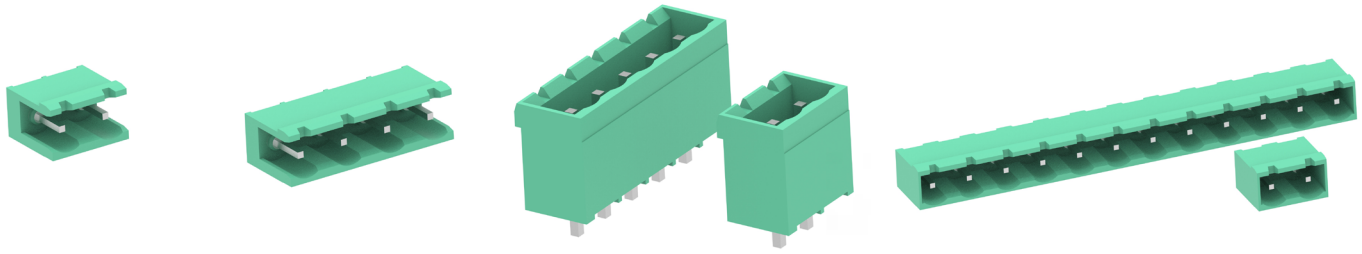



## PRODUCT INFORMATION

| No. of Positions | Dim. A | Part Numbers |
|---|---|---|
| 2 | 12.50 (0.492) | 1776259-2 |
| 3 | 17.50 (0.689) | 1776259-3 |
| 4 | 22.50 (0.886) | 1776259-4 |
| 5 | 27.50 (1.083) | 1776259-5 |
| 6 | 32.50 (1.280) | 1776259-6 |
| 7 | 37.50 (1.476) | 1776259-7 |
| 8 | 42.50 (1.673) | 1776259-8 |
| 12 | 62.50 (2.461) | 1-1776259-2 |

Wave solder process capable to 265°C (509°F) for 10 seconds

## TWO-PIECE TERMINAL BLOCK CONNECTORS



## INTRODUCTION

TE currently provides a full range of two-piece modular terminal blocks for headers with 3.5, 3.81, 5.0, 5.08, 7.5, 7.62, 10.0 and 10.16 mm centerline.

### PRODUCT FACTS

- 3.5, 3.81, 5.0, 5.08, 7.5, 7.62, 10.0 and 10.16 mm centerlines
- Straight and right-angle shrouded headers with open or closed ends
- Double-sided female contact design
- Built-in interlocks to assemble higher number of ways
- Retention latches between plug and header
- Polarization keys for easier mating
- Special 90°/180° and 90°/270° Plugs and Unshrouded Headers (5.0 and 10.0mm Centerline)
- Interchangeable with existing products of most terminal block suppliers
- PC board footprint fully compatible with existing Industry Standards: pc board thickness 1.6–2.4 mm
- 2-3-4 way modules with interlocking fixture, 3.5, 3.81, 5.0 and 5.08 mm centerline, to assemble higher number of ways
- Polarizing keys promote proper mating (page 166 for keys and page 165 for labeling)
- Straight and right-angle headers
- Stackable open end headers
- Closed end headers
- Retention latch between plug and header housings
- Rising cage clamp design
- Double-sided contact spring
- Funnel entry plug housing for easier wire insertion
- Captive screw
- Plugs supplied with open screw
- Screw flange versions available on 3.5, 3.81, 5.0, and 5.08 mm centerlines
- 5.0 and 10.0 mm centerlines
- Recognized under the Component Program of Underwriters Laboratories Inc., File No. E60677
- Certified by Canadian Standards Association, File No. 703157
- Interchangeable with most existing products
- PC board footprint compatible with the existing Industry Standards
- Rising cage clamp design
- Funnel entry housing for easier wire insertion
- Test probe access
- Terminal blocks supplied with open captive screws
- Adhesive labeling for numbering

### MATERIALS

- Housing Material - Polyamide 6/6, UL 94V-0 rated
- Male Contact - Brass, tin plated
- Female Contact - Phosphor bronze, tin plated
- Screw Clamp - Brass, nickel plated
- Screw - Brass, nickel plated

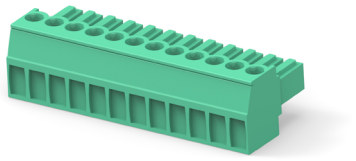
**Two-Piece Header and Plug**

| Centerline | No. of Positions |
|---|---|
| 3.50 (0.138)* | 2–25 |
| 3.81 (0.150)* | 2–25 |
| 5.0 (0.197)* | 2–25 |
| 5.08 (0.200)* | 2–25 |
| 7.50 (0.295) | 2–12 |
| 7.62 (0.300) | 2–12 |
| 10.00 (0.394) | 2–13 |
| 10.16 (0.400) | 2–13 |

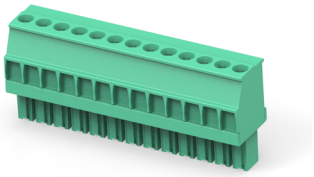
*Flanged versions may not reflect standard position size.

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG - 3.5 mm PITCH

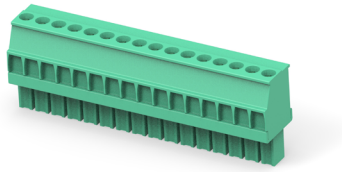
### RIGHT-ANGLE



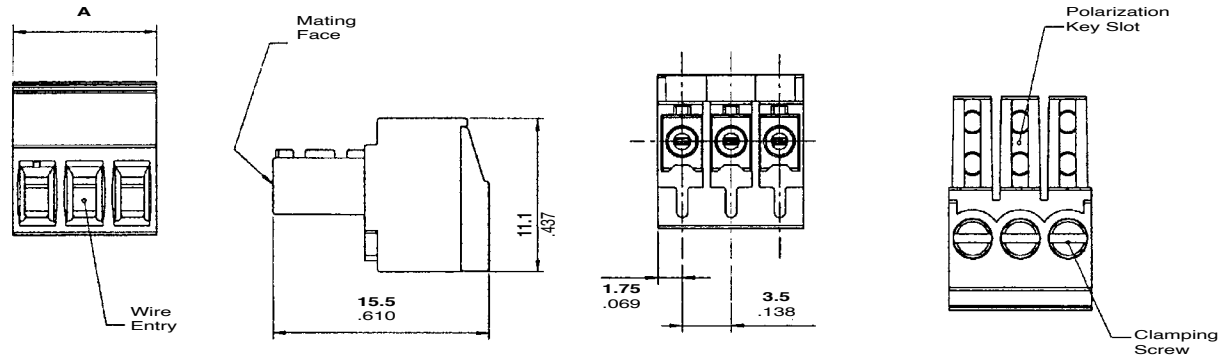
### VERTICAL RIGHT HAND



### VERTICAL LEFT HAND



Dimension [Unit: mm(in)]



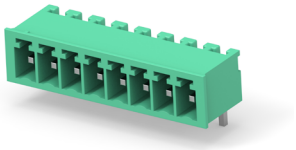

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 90° | 180° | 180° |
| 2 | 7.0 (0.28) | 284506-2 | 1986370-2 | 1986371-2 |
| 3 | 10.5 (0.41) | 284506-3 | 1986370-3 | 1986371-3 |
| 4 | 14.0 (0.55) | 284506-4 | 1986370-4 | 1986371-4 |
| 5 | 17.5 (0.68) | 284506-5 | 1986370-5 | 1986371-5 |
| 6 | 21.0 (0.82) | 284506-6 | 1986370-6 | 1986371-6 |
| 7 | 24.5 (0.96) | 284506-7 | 1986370-7 | 1986371-7 |
| 8 | 28.0 (1.10) | 284506-8 | 1986370-8 | 1986371-8 |
| 9 | 31.5 (1.24) | 284506-9 | 1986370-9 | 1986371-9 |
| 10 | 35.0 (1.38) | 1-284506-0 | 1-1986370-0 | 1-1986371-0 |
| 11 | 38.5 (1.52) | 1-284506-1 | - | 1-1986371-1 |
| 12 | 42.0 (1.65) | 1-284506-2 | 1-1986370-2 | 1-1986371-2 |
| 13 | 45.5 (1.79) | 1-284506-3 | - | 1-1986371-3 |
| 14 | 49.0 (1.93) | 1-284506-4 | - | 1-1986371-4 |
| 15 | 52.5 (2.07) | 1-284506-5 | - | - |
| 16 | 56.0 (2.20) | 1-284506-6 | 1-1986370-6 | 1-1986371-6 |

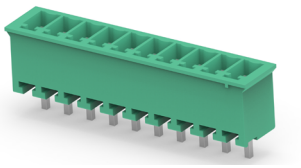
**Note:** BUCHANAN Terminal Block 284506* has been superceded/replaced with 796693* (blue).

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSE ENDS - 3.5 mm PITCH

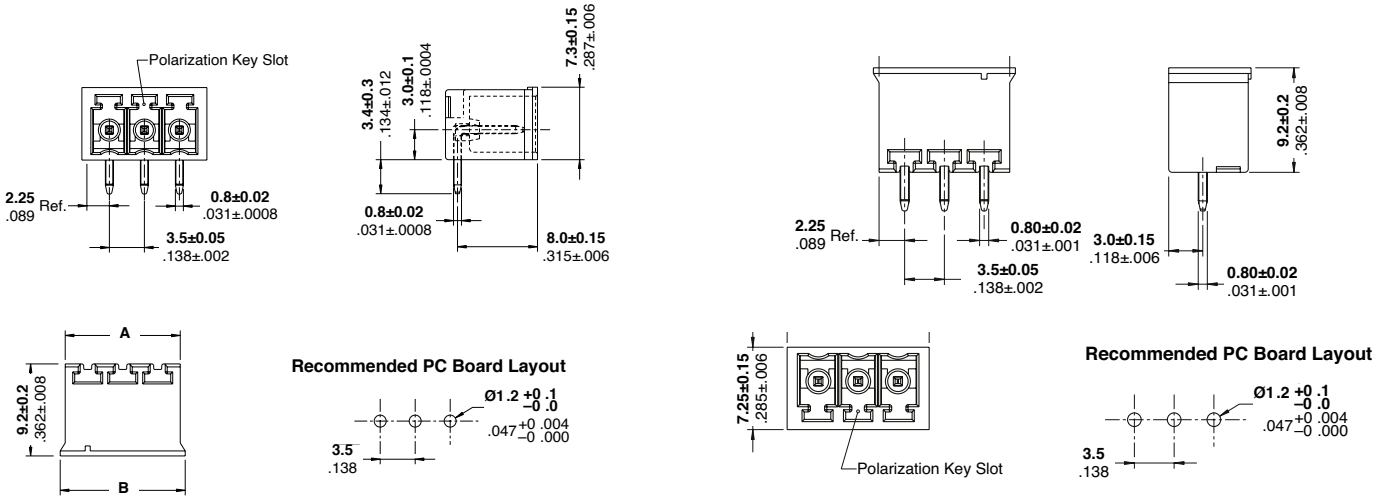
### RIGHT-ANGLE



### VERTICAL



### Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

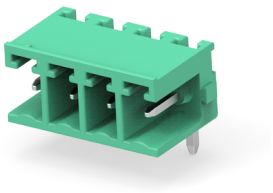
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 8.0 (0.32) | 284512-2 | - |
| 3 | 11.5 (0.45) | 284512-3 | 284514-3 |
| 4 | 15.0 (0.59) | 284512-4 | 284514-4 |
| 5 | 18.5 (0.73) | 284512-5 | 284514-5 |
| 6 | 22.0 (0.87) | 284512-6 | 284514-6 |
| 7 | 25.5 (1.00) | 284512-7 | 284514-7 |
| 8 | 29.0 (1.14) | 284512-8 | 284514-8 |
| 9 | 32.5 (1.28) | 284512-9 | 284514-9 |
| 10 | 36.0 (1.42) | 1-284512-0 | 1-284514-0 |
| 11 | 39.5 (1.56) | 1-284512-1 | 1-284514-1 |
| 12 | 43.0 (1.69) | 1-284512-2 | 1-284514-2 |
| 14 | 50.0 (1.97) | 1-284512-4 | - |
| 16 | 57.0 (2.24) | 1-284512-6 | 1-284514-6 |
| 19 | 67.5 (2.65) | - | 1-284514-9 |

Notes:

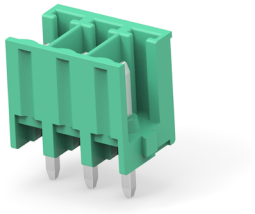
1. BUCHANAN Terminal Block 284512* has been replaced with Part Number 796695* (blue).
2. BUCHANAN Terminal Block 284514* has been replaced with Part Number 796694* (blue).

# TWO-PIECE TERMINAL BLOCK, MODULAR HEADER WITH OPEN ENDS - 3.5 mm PITCH

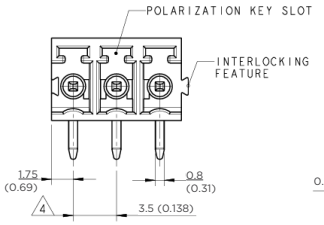
## RIGHT-ANGLE

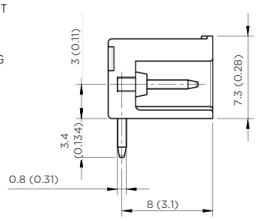


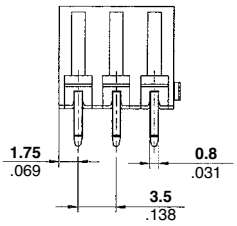
## VERTICAL

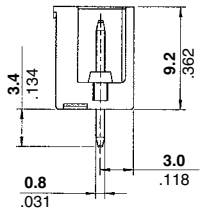


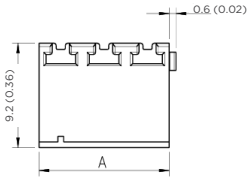
### Dimension [Unit: mm(in)]

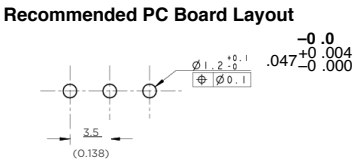


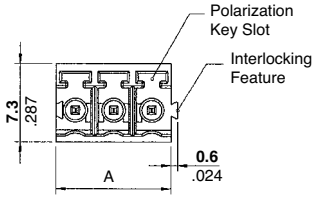



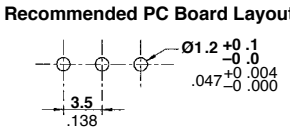



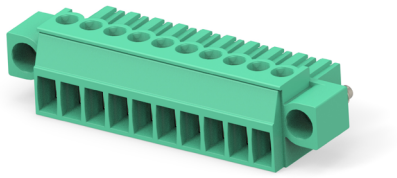




## PRODUCT INFORMATION

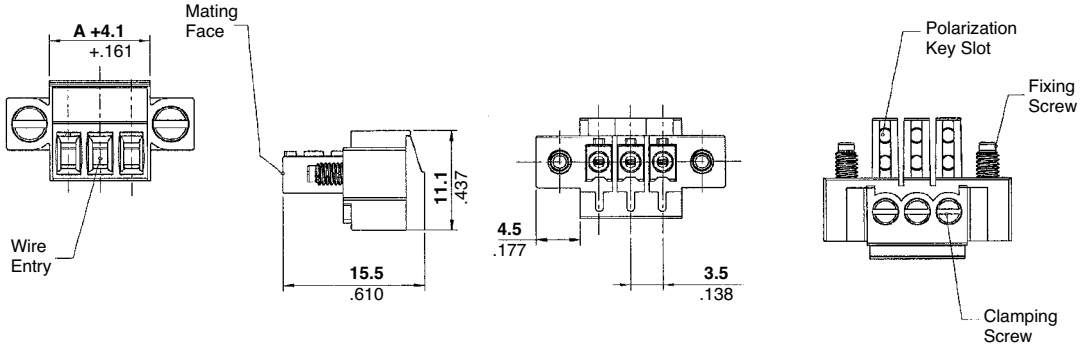
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 7.0 (0.27) | 284540-2 | 284515-2 |
| 3 | 10.5 (0.41) | 284540-3 | 284515-3 |
| 4 | 14.0 (0.55) | 284540-4 | - |
| 5 | 17.5 (0.68) | 284540-5 | - |
| 6 | 21.0 (0.82) | 284540-6 | - |
| 12 | 42.0 (1.65) | 1-284540-2 | 1-284515-2 |

## TWO-PIECE TERMINAL BLOCK, PLUG WITH SCREW FLANGE - 3.5 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

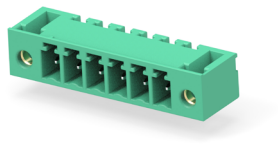



## PRODUCT INFORMATION

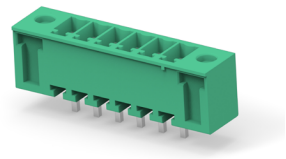
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 3.5 (0.13) | 284510-2 |
| 3 | 7.0 (0.27) | 284510-3 |
| 4 | 10.5 (0.41) | 284510-4 |
| 5 | 14.0 (0.55) | 284510-5 |
| 6 | 17.5 (0.69) | 284510-6 |
| 7 | 21.0 (0.82) | 284510-7 |
| 8 | 24.5 (0.96) | 284510-8 |
| 9 | 28.0 (1.10) | 284510-9 |
| 10 | 31.5 (1.24) | 1-284510-0 |
| 12 | 38.5 (1.51) | 1-284510-2 |

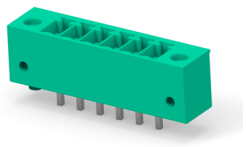
## TWO-PIECE TERMINAL BLOCK, WITH SCREW FLANGE - 3.5 mm PITCH

### RIGHT-ANGLE

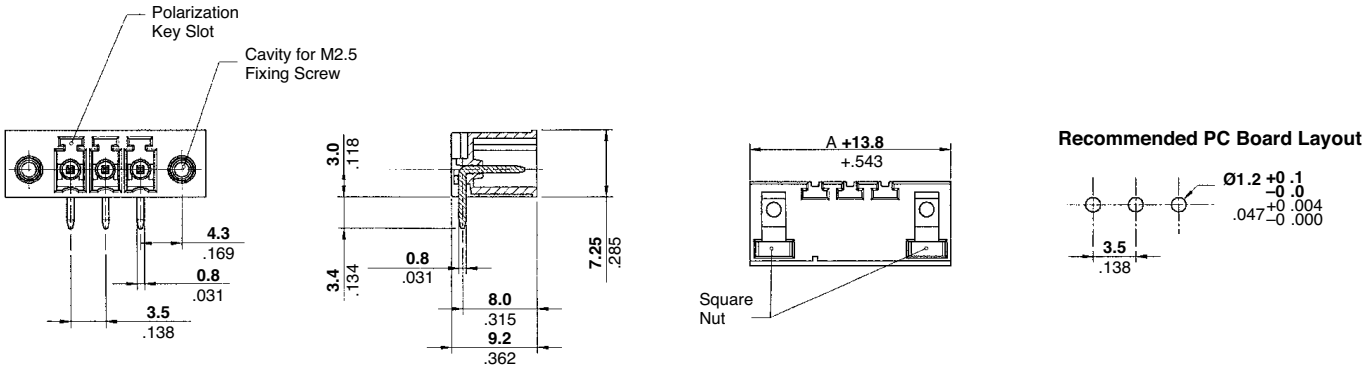


### VERTICAL





Dimension [Unit: mm(in)]

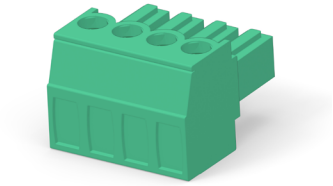



## PRODUCT INFORMATION

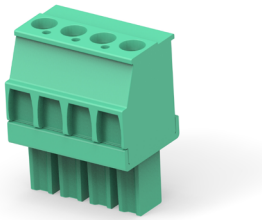
| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 90° | 180° | 180° |
| 2 | 3.5 (0.14) | 284539-2 | 284516-2 | 1986799-2 |
| 3 | 7.0 (0.28) | 284539-3 | 284516-3 | - |
| 4 | 10.5 (0.41) | 284539-4 | 284516-4 | 1986799-4 |
| 5 | 14.0 (0.55) | 284539-5 | 284516-5 | - |
| 6 | 17.5 (0.69) | 284539-6 | 284516-6 | 1986799-6 |
| 7 | 21.0 (0.83) | 284539-7 | 284516-7 | - |
| 8 | 24.5 (0.96) | 284539-8 | 284516-8 | - |
| 9 | 28.0 (1.10) | 284539-9 | 284516-9 | 1986799-9 |
| 10 | 31.5 (1.24) | 1-284539-0 | 1-284516-0 | - |
| 11 | 35.0 (1.38) | 1-284539-1 | - | 1-1986799-1 |
| 12 | 38.5 (1.52) | 1-284539-2 | 1-284516-2 | 1-1986799-2 |
| 17 | 56.0 (2.20) | - | - | - |
| 18 | 59.5 (2.34) | 1-284539-8 | 1-284516-7 | - |

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG - 3.81 mm PITCH

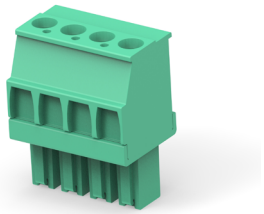
### RIGHT-ANGLE



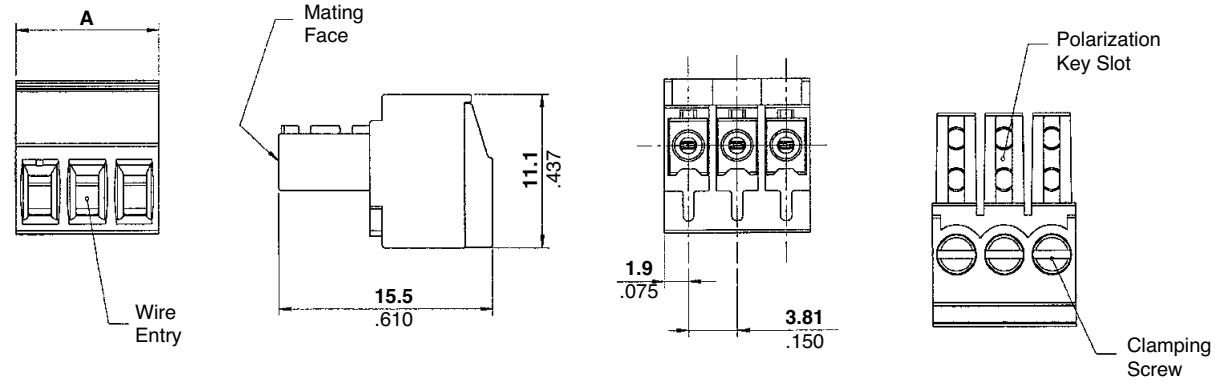
### VERTICAL RIGHT HAND



### VERTICAL LEFT HAND



Dimension [Unit: mm(in)]

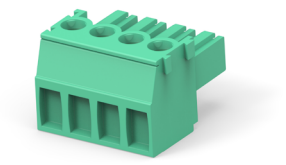



## PRODUCT INFORMATION

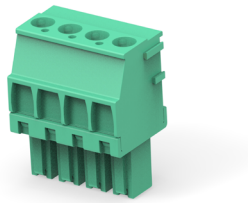
| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 90° | 180° | 180° |
| 2 | 7.62 (0.30) | 284507-2 | 1986374-2 | 1986375-2 |
| 3 | 11.43 (0.45) | 284507-3 | 1986374-3 | 1986375-3 |
| 4 | 15.24 (0.60) | 284507-4 | 1986374-4 | 1986375-4 |
| 5 | 19.05 (0.75) | 284507-5 | 1986374-5 | 1986375-5 |
| 6 | 22.86 (0.90) | 284507-6 | 1986374-6 | 1986375-6 |
| 7 | 26.67 (1.05) | 284507-7 | 1986374-7 | 1986375-7 |
| 8 | 30.48 (1.20) | 284507-8 | 1986374-8 | 1986375-8 |
| 9 | 34.29 (1.35) | 284507-9 | 1986374-9 | 1986375-9 |
| 10 | 38.10 (1.50) | 1-284507-0 | 1-1986374-0 | 1-1986375-0 |
| 11 | 41.91 (1.65) | 1-284507-1 | 1-1986374-1 | 1-1986375-1 |
| 12 | 45.72 (1.80) | 1-284507-2 | 1-1986374-2 | 1-1986375-2 |
| 14 | 53.34 (2.10) | - | 1-1986374-4 | 1-1986375-4 |
| 15 | 57.15 (2.25) | - | 1-1986374-5 | - |
| 16 | 60.96 (2.40) | - | 1-1986374-6 | 1-1986375-6 |
| 17 | 64.77 (2.55) | 1-284507-7 | - | - |
| 20 | 76.20 (3.00) | 2-284507-0 | - | - |

## TWO-PIECE TERMINAL BLOCK, MODULAR PLUG - 3.81 mm PITCH

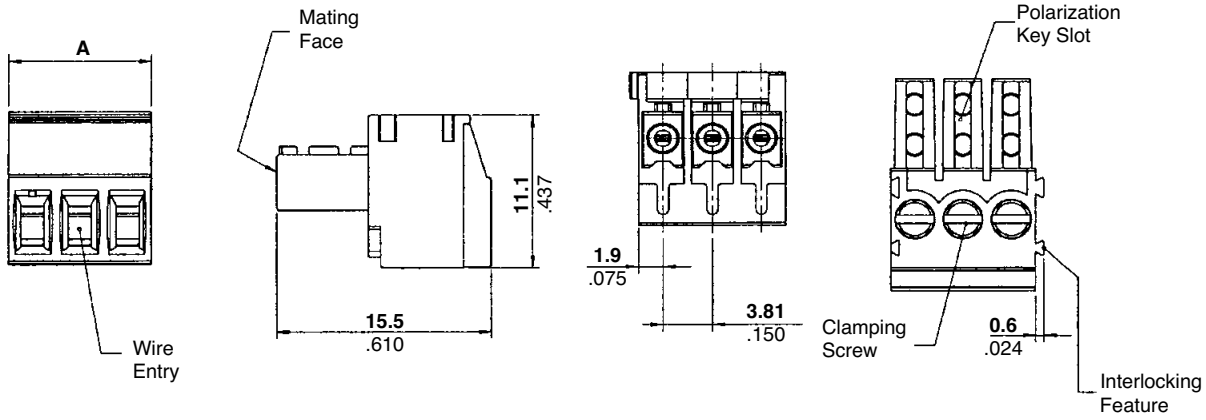
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

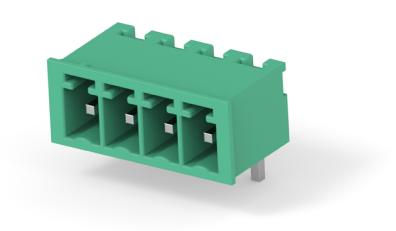



## PRODUCT INFORMATION

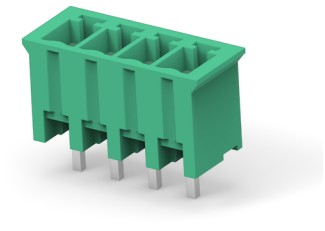
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 7.62 (0.30) | 284509-2 | 1986919-2 |
| 3 | 11.43 (0.45) | 284509-3 | 1986919-3 |
| 4 | 15.24 (0.60) | 284509-4 | 1986919-4 |
| 5 | 19.05 (0.75) | 284509-5 | 1986919-5 |
| 6 | 22.86 (0.90) | 284509-6 | 1986919-6 |
| 7 | 26.67 (1.05) | 284509-7 | 1986919-7 |
| 8 | 30.48 (1.20) | 284509-8 | 1986919-8 |
| 9 | 34.29 (1.35) | 284509-9 | - |
| 10 | 38.10 (1.50) | 1-284509-0 | - |
| 11 | 41.91 (1.65) | 1-284509-1 | - |
| 12 | 45.72 (1.80) | 1-284509-2 | - |
| 15 | 57.15 (2.25) | 1-284509-5 | |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED ENDS - 3.81 mm PITCH

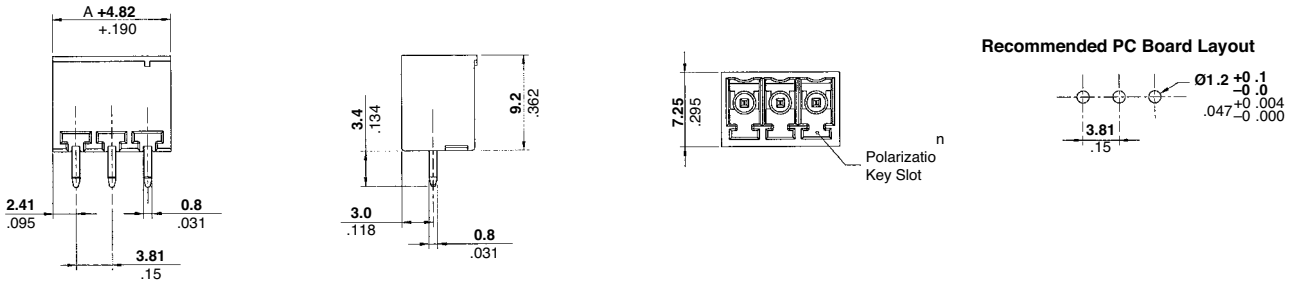
### RIGHT-ANGLE



### VERTICAL



### Dimension [Unit: mm(in)]



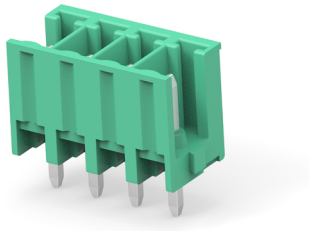

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 3.81 (0.15) | 284513-2 | 284517-2 |
| 3 | 7.62 (0.30) | 284513-3 | 284517-3 |
| 4 | 11.43 (0.45) | 284513-4 | 284517-4 |
| 5 | 15.24 (0.60) | 284513-5 | 284517-5 |
| 6 | 19.05 (0.75) | 284513-6 | 284517-6 |
| 7 | 22.86 (0.90) | 284513-7 | 284517-7 |
| 8 | 26.67 (1.05) | 284513-8 | 284517-8 |
| 9 | 30.48 (1.20) | 284513-9 | 284517-9 |
| 10 | 34.29 (1.35) | 1-284513-0 | 1-284517-0 |
| 11 | 38.10 (1.50) | 1-284513-1 | 1-284517-1 |
| 12 | 41.91 (1.65) | 1-284513-2 | 1-284517-2 |
| 16 | 60.96 (2.40) | 1-284513-6 | - |
| 22 | 83.82 (3.30) | 2-284513-2 | - |
| 23 | 87.63 (3.45) | 2-284513-3 | - |
| 24 | 91.44 (3.60) | 2-284513-4 | - |
| 25 | 95.25 (3.75) | 2-284513-5 | - |

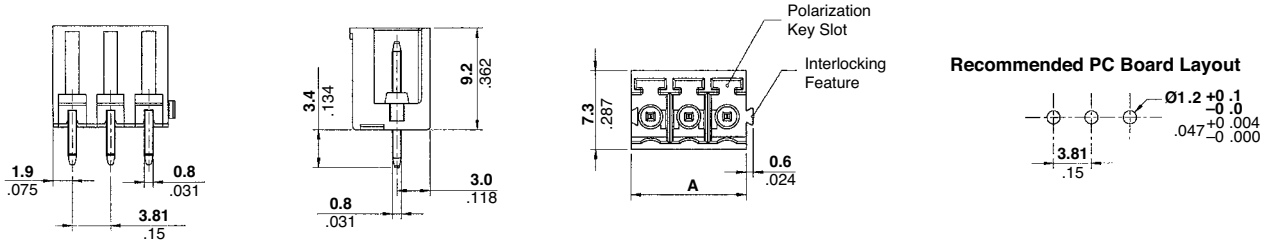
**Note:** BUCHANAN Terminal Block 284513* has been replaced with Part Number 1986343* (Black)

# TWO-PIECE TERMINAL BLOCK, MODULAR HEADER WITH OPEN END - 3.81 mm PITCH

## VERTICAL



Dimension [Unit: mm(in)]

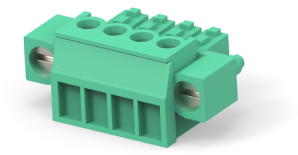



## PRODUCT INFORMATION

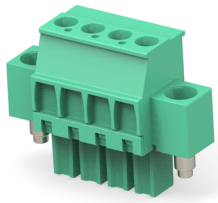
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 7.62 (0.30) | 284518-2 |
| 3 | 11.43 (0.45) | 284518-3 |
| 4 | 15.24 (0.60) | 284518-4 |
| 5 | 19.05 (0.75) | 284518-5 |
| 6 | 22.86 (0.90) | 284518-6 |
| 7 | 26.67 (1.05) | 284518-7 |
| 8 | 30.48 (1.20) | 284518-8 |
| 9 | 34.29 (1.35) | 284518-9 |

## TWO-PIECE TERMINAL BLOCK, PLUG, WITH SCREW FLANGE - 3.81 mm PITCH

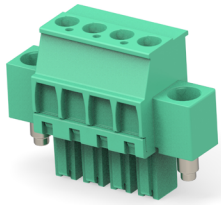
### RIGHT-ANGLE



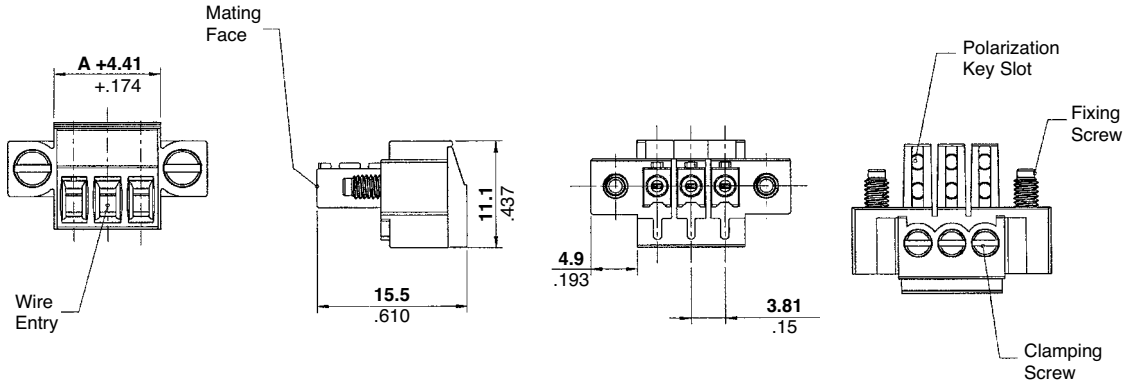
### VERTICAL - RIGHT HAND



### VERTICAL - LEFT HAND



Dimension [Unit: mm(in)]

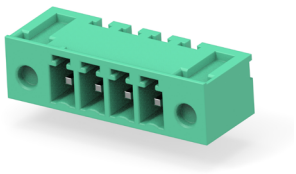



## PRODUCT INFORMATION

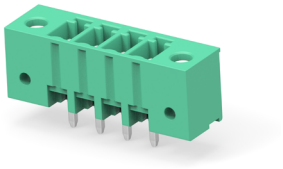
| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 90° | 180° | 180° |
| 2 | 3.81 (0.15) | 284511-2 | 1986820-2 | - |
| 3 | 7.62 (0.30) | 284511-3 | - | 1986822-3 |
| 4 | 11.43 (0.45) | 284511-4 | - | 1986822-4 |
| 5 | 15.24 (0.60) | 284511-5 | - | - |
| 6 | 19.05 (0.75) | 284511-6 | - | - |
| 7 | 22.86 (0.90) | 284511-7 | - | - |
| 8 | 26.67 (1.05) | 284511-8 | - | - |
| 9 | 30.48 (1.20) | 284511-9 | - | - |
| 10 | 34.29 (1.35) | 1-284511-0 | - | - |
| 11 | 38.10 (1.50) | 1-284511-1 | - | - |
| 12 | 41.91 (1.65) | 1-284511-2 | 1-1986820-2 | - |
| 13 | 45.72 (1.80) | 1-284511-3 | - | - |
| 14 | 49.53 (1.95) | 1-284511-4 | - | - |
| 15 | 53.34 (2.10) | 1-284511-5 | - | - |
| 16 | 57.15 (2.25) | 1-284511-6 | - | - |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH SCREW FLANGE - 3.81 mm PITCH

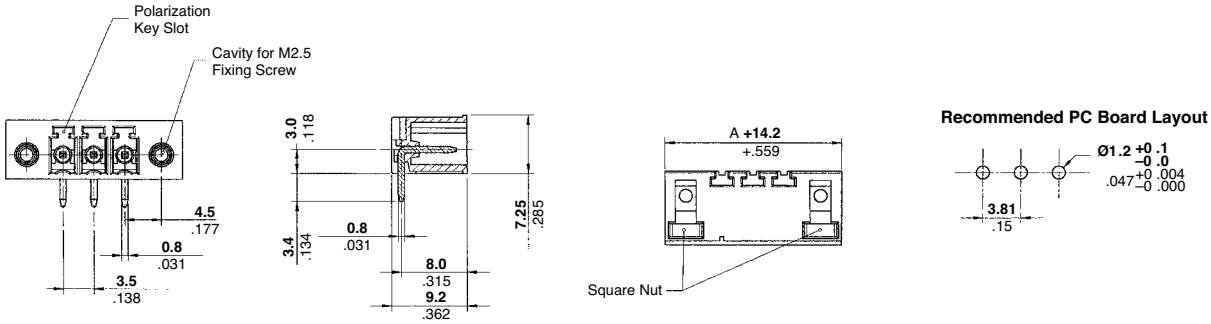
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

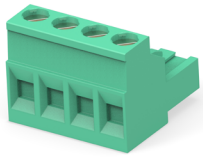



## PRODUCT INFORMATION

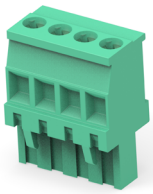
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 3.81 (0.15) | 284541-2 | 284519-2 |
| 3 | 7.62 (0.30) | 284541-3 | 284519-3 |
| 4 | 11.43 (0.45) | 284541-4 | 284519-4 |
| 5 | 15.24 (0.60) | 284541-5 | 284519-5 |
| 6 | 19.05 (0.75) | 284541-6 | 284519-6 |
| 7 | 22.86 (0.90) | 284541-7 | 284519-7 |
| 8 | 26.67 (1.05) | 284541-8 | 284519-8 |
| 9 | 30.48 (1.20) | 284541-9 | 284519-9 |
| 10 | 34.29 (1.35) | 1-284541-0 | 1-284519-0 |
| 11 | 38.10 (1.50) | 1-284541-1 | 1-284519-1 |
| 12 | 41.91 (1.65) | 1-284541-2 | 1-284519-2 |
| 15 | 53.34 (2.10) | 1-284541-5 | - |
| 16 | 57.15 (2.25) | - | 1-284519-6 |

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG WITH LATCHES - 5.0 mm PITCH

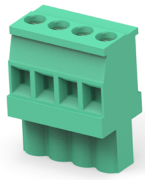
### RIGHT-ANGLE



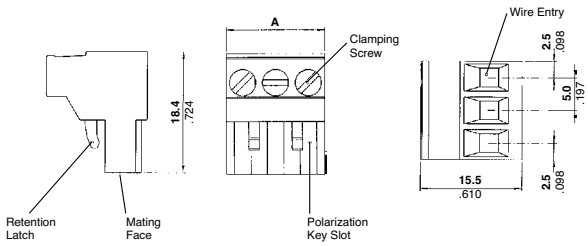
### VERTICAL LEFT HAND



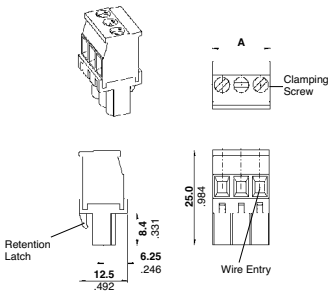
### VERTICAL RIGHT HAND



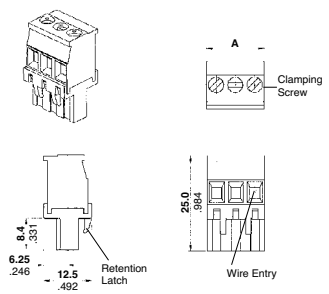
### Dimension [Unit: mm(in)]




**Left-Hand Version**




**Right-Hand Version**



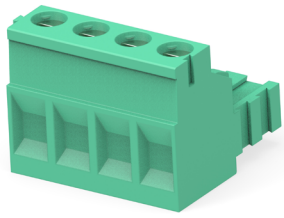

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 90° | 180° | 180° |
| 2 | 10.0 (0.39) | 796640-2 | 284040-2 | 284046-2 |
| 3 | 15.0 (0.59) | 796640-3 | 284040-3 | 284046-3 |
| 4 | 20.0 (0.79) | 796640-4 | 284040-4 | 284046-4 |
| 5 | 25.0 (0.98) | 796640-5 | 284040-5 | 284046-5 |
| 6 | 30.0 (1.18) | 796640-6 | 284040-6 | 284046-6 |
| 7 | 35.0 (1.38) | 796640-7 | 284040-7 | 284046-7 |
| 8 | 40.0 (1.57) | 796640-8 | 284040-8 | 284046-8 |
| 9 | 45.0 (1.77) | 796640-9 | 284040-9 | 284046-9 |
| 10 | 50.0 (1.97) | 1-796640-0 | 1-284040-0 | 1-284046-0 |
| 11 | 55.0 (2.17) | 1-796640-1 | - | 1-284046-1 |
| 12 | 60.0 (2.36) | 1-796640-2 | 1-284040-2 | 1-284046-2 |
| 13 | 65.0 (2.56) | 1-796640-3 | - | - |
| 14 | 70.0 (2.76) | 1-796640-4 | - | - |
| 15 | 75.0 (2.95) | - | - | - |
| 16 | 80.0 (3.15) | 1-796640-6 | - | 1-284046-6 |
| 18 | 90.0 (3.54) | 1-796640-8 | - | - |
| 18 | 90.0 (3.54) | - | - | 3-284046-7 |
| 14 | 70.0 (2.76) | 4-796640-7* | - | - |
| 2 | 10.0 (0.39) | 5-796640-8 | - | - |
| 14 | 70.0 (2.76) | 6-796640-4 | - | - |

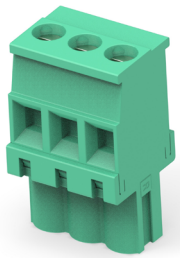
**Notes**:
1. BUCHANAN Terminal Block 284040* has been replaced with 1546223* (Gray) and 1546118* (Black)
2. BUCHANAN Terminal Block 284046* has been replaced with 1546625* (Black)

## TWO-PIECE TERMINAL BLOCK, MODULAR PLUG WITH LATCHES - 5.0 mm PITCH

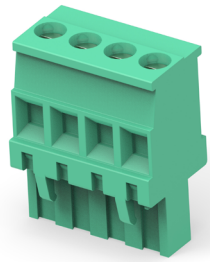
### RIGHT-ANGLE



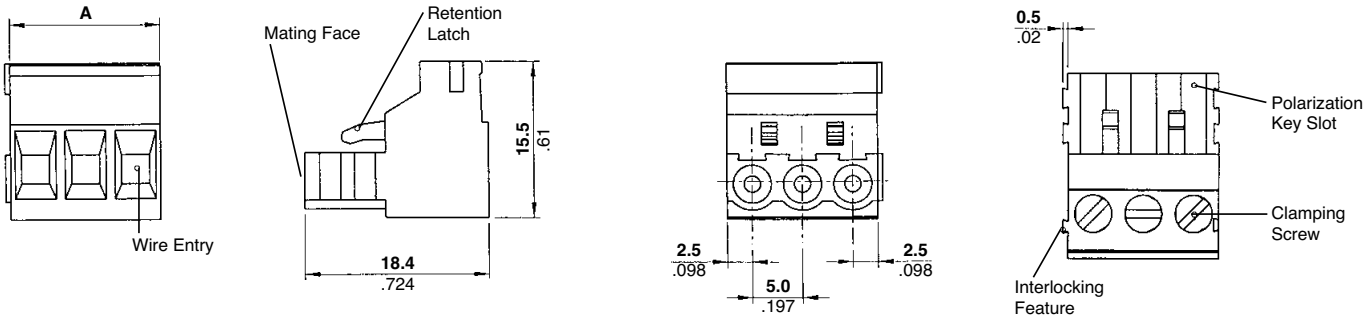
### VERTICAL LEFT HAND



### VERTICAL RIGHT HAND



Dimension [Unit: mm(in)]

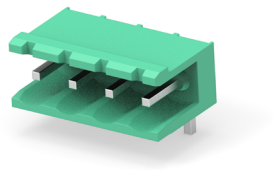



## PRODUCT INFORMATION

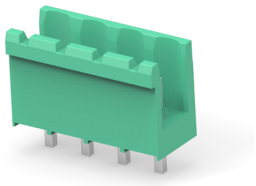
| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 90° | 180° | 180° |
| 2 | 10.00 (0.39) | 282805-2 | 1986976-2 | 1986978-2 |
| 3 | 15.00 (0.59) | 282805-3 | 1986976-3 | 1986978-3 |
| 4 | 20.00 (0.79) | 282805-4 | 1986976-4 | 1986978-4 |
| 5 | 25.00 (0.98) | - | 1986976-5 | 1986978-5 |
| 6 | 30.00 (1.18) | - | 1986976-6 | 1986978-6 |
| 7 | 35.00 (1.38) | - | 1986976-7 | 1986978-7 |
| 8 | 40.00 (1.57) | - | 1986976-8 | 1986978-8 |

## TWO-PIECE TERMINAL BLOCK, STACKABLE HEADER WITH OPEN ENDS - 5.0 mm PITCH

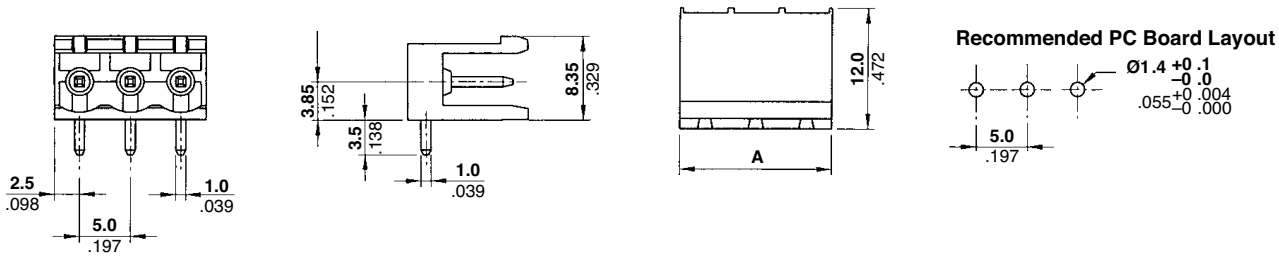
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]



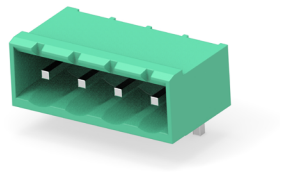

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.0 (0.394) | 282812-2 | 282822-2 |
| 3 | 15.0 (0.591) | 282812-3 | 282822-3 |
| 4 | 20.0 (0.787) | 282812-4 | 282822-4 |
| 5 | 25.0 (0.984) | 282812-5 | 282822-5 |
| 6 | 30.0 (1.181) | 282812-6 | 282822-6 |
| 7 | 35.0 (1.378) | 282812-7 | 282822-7 |
| 8 | 40.0 (1.575) | 282812-8 | 282822-8 |
| 9 | 45.0 (1.772) | 282812-9 | 282822-9 |
| 10 | 50.0 (1.969) | 1-282812-0 | 1-282822-0 |
| 11 | 55.0 (2.165) | - | 1-282822-1 |
| 12 | 60.0 (2.362) | 1-282812-2 | 1-282822-2 |
| 14 | 70.0 (2.756) | 1-282812-4 | 1-282822-4 |
| 16 | 80.0 (3.150) | - | 1-282822-6 |
| 17 | 85.0 (3.346) | - | 1-282822-7 |
| 18 | 90.0 (3.543) | - | 1-282822-8 |
| 20 | 100.0 (3.937) | - | 2-282822-0 |
| 22 | 110.0 (4.331) | - | 2-282822-2 |

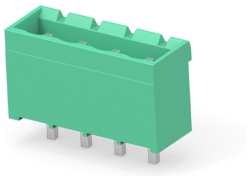
Notes:
1. BUCHANAN Terminal Block 282812* has been replaced with 796698* (blue).
2. BUCHANAN Terminal Block 282822* has been replaced with 1546175* (Black)

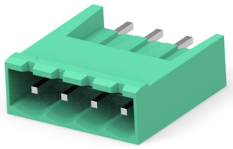
## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED ENDS - 5.0 mm PITCH

### RIGHT-ANGLE

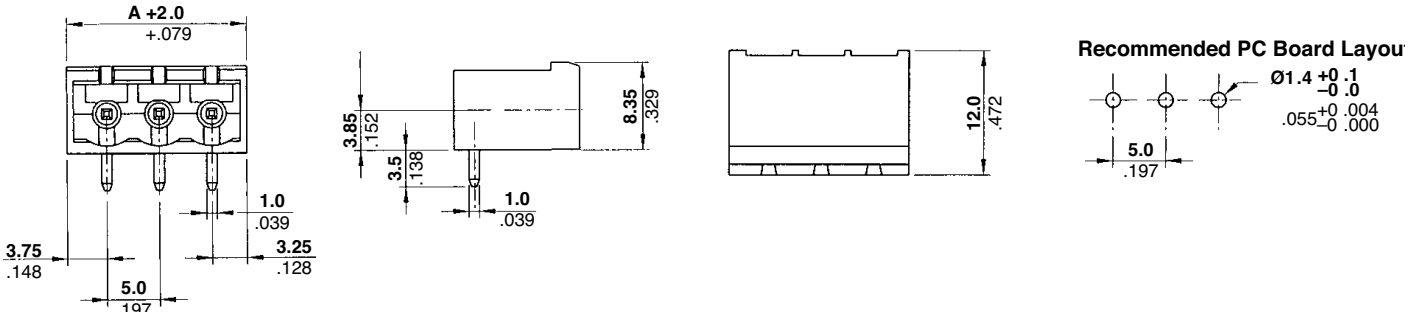


### VERTICAL





### Dimension [Unit: mm(in)]



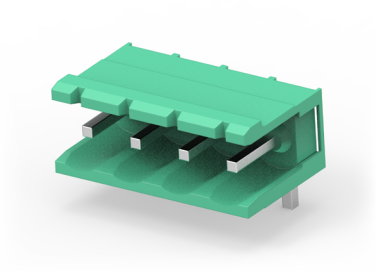

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 90° | 180° | 180° |
| 2 | 10.0 (0.394) | 796644-2 | 1986525-2 | 796642-2 |
| 3 | 15.0 (0.591) | 796644-3 | - | 796642-3 |
| 4 | 20.0 (0.787) | 796644-4 | 1986525-4 | 796642-4 |
| 5 | 25.0 (0.984) | 796644-5 | - | 796642-5 |
| 6 | 30.0 (1.181) | 796644-6 | - | 796642-6 |
| 7 | 35.0 (1.378) | 796644-7 | - | 796642-7 |
| 8 | 40.0 (1.575) | 796644-8 | - | 796642-8 |
| 9 | 45.0 (1.772) | 796644-9 | - | 796642-9 |
| 10 | 50.0 (1.968) | 1-796644-0 | - | 1-796642-0 |
| 11 | 55.0 (2.165) | 1-796644-1 | - | - |
| 12 | 60.0 (2.362) | 1-796644-2 | - | 1-796642-2 |
| 13 | 65.0 (2.559) | 1-796644-3 | - | - |
| 14 | 70.0 (2.756) | 1-796644-4 | - | 1-796642-4 |
| 15 | 75.0 (2.953) | 1-796644-5 | - | - |
| 16 | 80.0 (3.150) | 1-796644-6 | - | 1-796642-6 |
| 18 | 90.0 (3.543) | 1-796644-8 | - | 1-796642-8 |
| 7 | 35.0 (1.378) | - | 3-1986525-2 | 3-796642-2 |

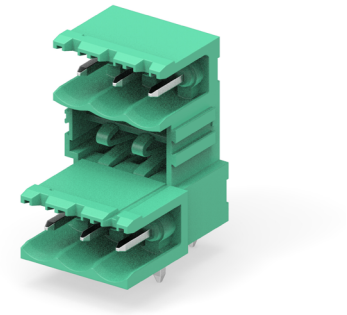
**Notes** :
1. BUCHANAN Terminal Block 796642* has been replaced with 1546211* (Grey) And 796643* (Black)
2. BUCHANAN Terminal Block 796644* has been replaced with 1986341* from black to orange and 1986342* (Red)

## TWO-PIECE TERMINAL BLOCK, MODULAR HEADER WITH OPEN ENDS - 5.0 mm PITCH

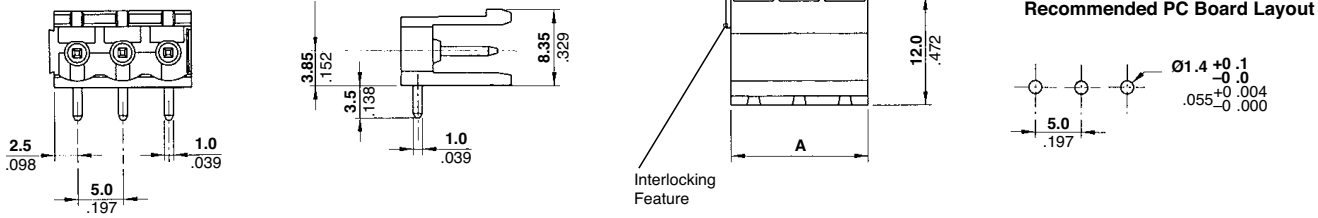
### RIGHT-ANGLE



### RIGHT-ANGLE, MULTI-LEVEL HEADER



Dimension [Unit: mm(in)]

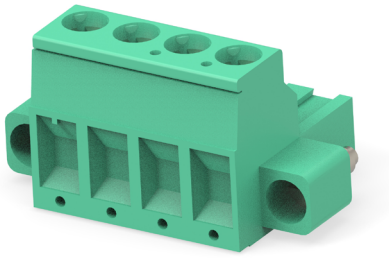



## PRODUCT INFORMATION

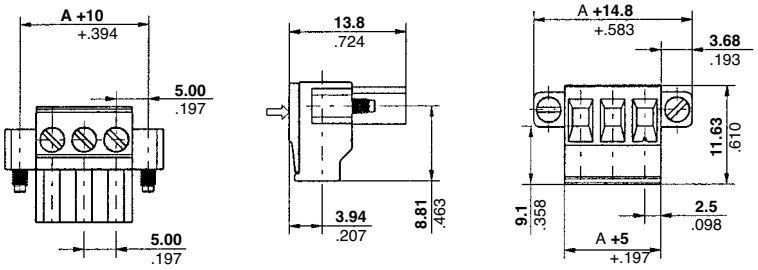
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 90° |
| 2 | 10.0 (0.394) | 282811-2 | 284052-2 |
| 3 | 15.0 (0.591) | 282811-3 | 284052-3 |
| 4 | 20.0 (0.787) | 282811-4 | - |

## TWO-PIECE TERMINAL BLOCK, PLUG WITH SCREW FLANGE - 5.0 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

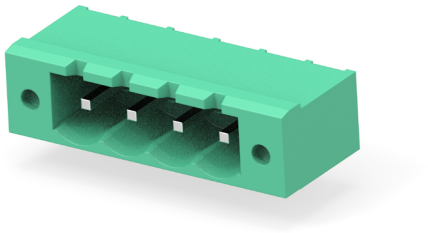



## PRODUCT INFORMATION

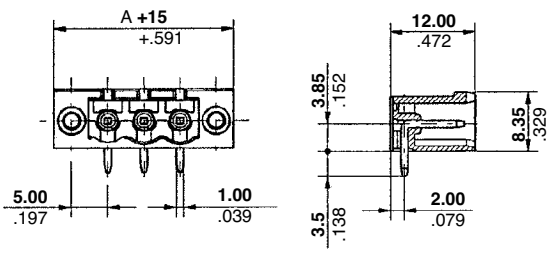
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 5.0 (0.197) | 796858-2 |
| 3 | 10.0 (0.394) | 796858-3 |
| 4 | 15.0 (0.591) | 796858-4 |
| 5 | 20.0 (0.787) | 796858-5 |
| 6 | 25.0 (0.984) | 796858-6 |
| 7 | 30.0 (1.181) | 796858-7 |
| 8 | 35.0 (1.378) | 796858-8 |
| 9 | 40.0 (1.575) | 796858-9 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH SCREW FLANGE - 5.0 mm PITCH

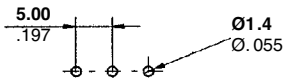
### RIGHT-ANGLE



Dimension [Unit: mm(in)]




**Recommended PC Board Layout**

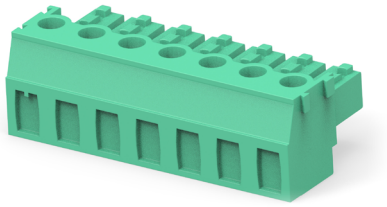



## PRODUCT INFORMATION

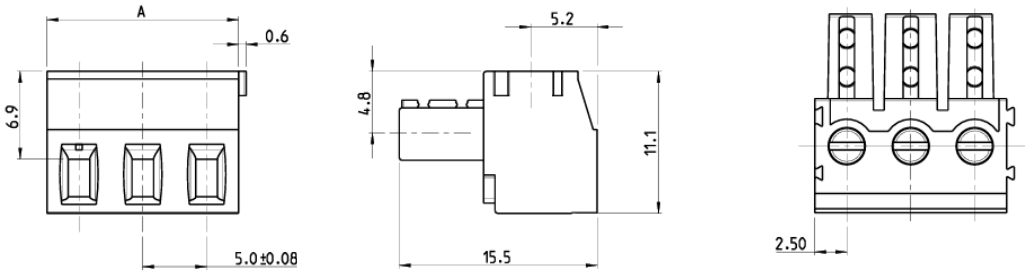
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 5.0 (0.197) | 796864-2 |
| 3 | 10.0 (0.394) | 796864-3 |
| 4 | 15.0 (0.591) | 796864-4 |
| 5 | 20.0 (0.787) | 796864-5 |
| 6 | 25.0 (0.984) | 796864-6 |
| 7 | 30.0 (1.181) | 796864-7 |
| 8 | 35.0 (1.378) | 796864-8 |
| 9 | 40.0 (1.575) | 796864-9 |

## TWO-PIECE TERMINAL BLOCK, MODULAR PLUG - 5.0 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

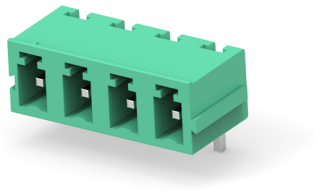



## PRODUCT INFORMATION

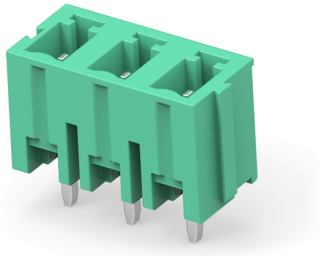
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 10.0 (0.394) | 1986909-2 |
| 3 | 15.0 (0.591) | 1986909-3 |
| 4 | 20.0 (0.787) | 1986909-4 |
| 5 | 25.0 (0.984) | 1986909-5 |
| 6 | 30.0 (1.181) | 1986909-6 |
| 7 | 35.0 (1.378) | 1986909-7 |
| 8 | 40.0 (1.575) | 1986909-8 |

## TWO-PIECE TERMINAL BLOCK, MODULAR HEADER WITH CLOSE ENDS - 5.0 mm PITCH

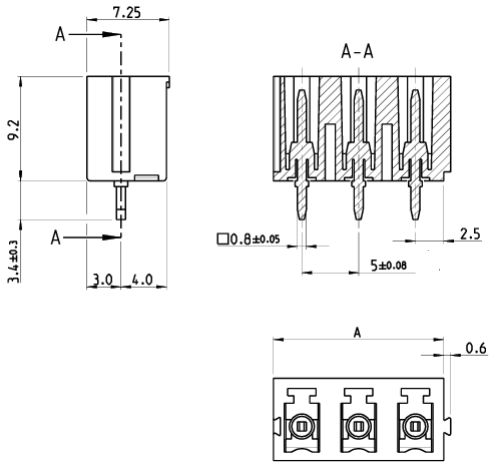
### RIGHT-ANGLE

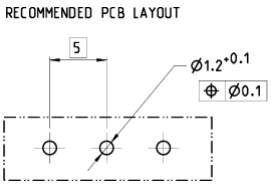


### VERTICAL



Dimension [Unit: mm(in)]



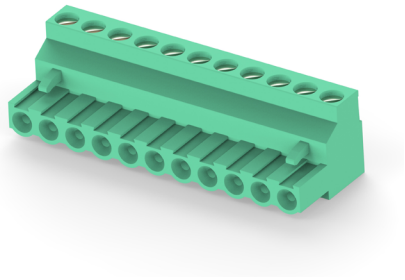




## PRODUCT INFORMATION

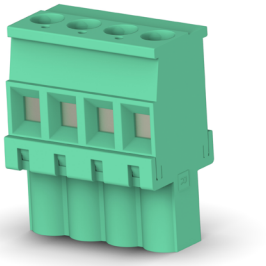
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.0 (0.394) | 1986931-2 | 1986925-2 |
| 3 | 15.0 (0.591) | 1986931-3 | 1986925-3 |
| 4 | 20.0 (0.787) | 1986931-4 | 1986925-4 |
| 5 | 25.0 (0.984) | 1986931-5 | 1986925-5 |
| 6 | 30.0 (1.181) | 1986931-6 | 1986925-6 |
| 7 | 35.0 (1.378) | 1986931-7 | 1986925-7 |
| 8 | 40.0 (1.575) | 1986931-8 | 1986925-8 |

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG WITH LATCHES - 5.08 mm PITCH

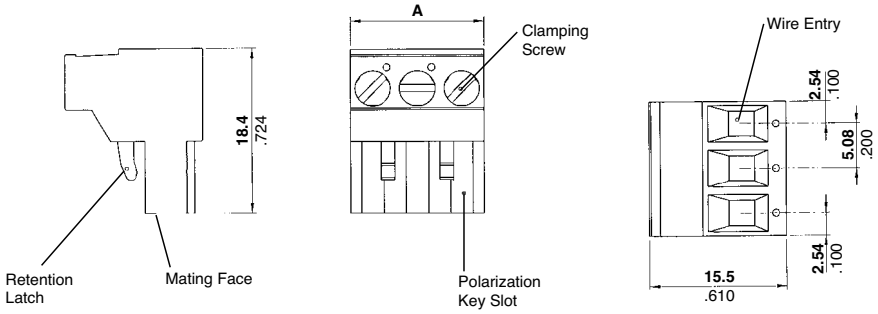
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.16 (0.40) | 796634-2 | - |
| 3 | 15.24 (0.60) | 796634-3 | - |
| 4 | 20.32 (0.80) | 796634-4 | 2368813-4 |
| 5 | 25.40 (1.00) | 796634-5 | - |
| 6 | 30.48 (1.20) | 796634-6 | - |
| 7 | 35.56 (1.40) | 796634-7 | - |
| 8 | 40.64 (1.60) | 796634-8 | - |
| 9 | 45.72 (1.80) | 796634-9 | - |
| 10 | 50.80 (2.00) | 1-796634-0 | - |
| 11 | 55.88 (2.20) | 1-796634-1 | - |
| 12 | 60.96 (2.40) | 1-796634-2 | - |
| 13 | 66.04 (2.60) | 1-796634-3 | - |
| 14 | 71.12 (2.80) | 1-796634-4 | - |
| 15 | 76.20 (3.00) | 1-796634-5 | - |
| 16 | 81.28 (3.20) | 1-796634-6 | - |
| 17 | 86.36 (3.40) | 1-796634-7 | - |
| 18 | 91.44 (3.60) | 1-796634-8 | - |
| 19 | 96.52 (3.80) | 1-796634-9 | - |
| 20 | 101.60 (4.00) | 2-796634-0 | - |
| 21 | 106.68 (4.20) | 2-796634-1 | - |
| 22 | 111.76 (4.40) | 2-796634-2 | - |

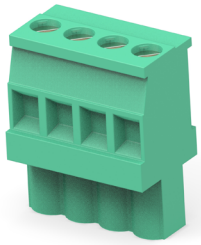
## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 23 | 116.84 (4.60) | 2-796634-3 | - |
| 24 | 121.92 (4.80) | 2-796634-4 | - |
| 25 | 127.00 (5.00) | 2-796634-5 | - |
| 8 | 40.64 (1.60) | 2-796634-7 | - |
| 10 | 50.80 (2.00) | 2-796634-8 | - |
| 16 | 81.28 (3.20) | 3-796634-9 | - |
| 11 | 55.88 (2.20) | 4-796634-1 | - |
| 9 | 45.72 (1.80) | 4-796634-9 | - |
| 2 | 10.16 (0.40) | 6-796634-2 | - |
| 3 | 15.24 (0.60) | 6-796634-4 | - |
| 16 | 81.28 (3.20) | 6-796634-7 | - |
| 18 | 91.44 (3.60) | 6-796634-8 | - |
| 2 | 10.16 (0.40) | 7-796634-0 | - |
| 3 | 15.24 (0.60) | 7-796634-1 | - |
| 17 | 86.36 (3.40) | 8-796634-4 | - |

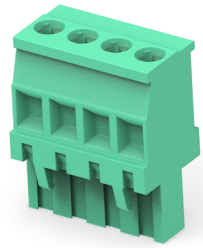
**Note**: BUCHANAN Terminal Block 796634* has been replaced with 1546108* (Gray) and 796635* (Black)

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG WITH LATCHES - 5.08 mm PITCH

### VERTICAL - LEFT HAND

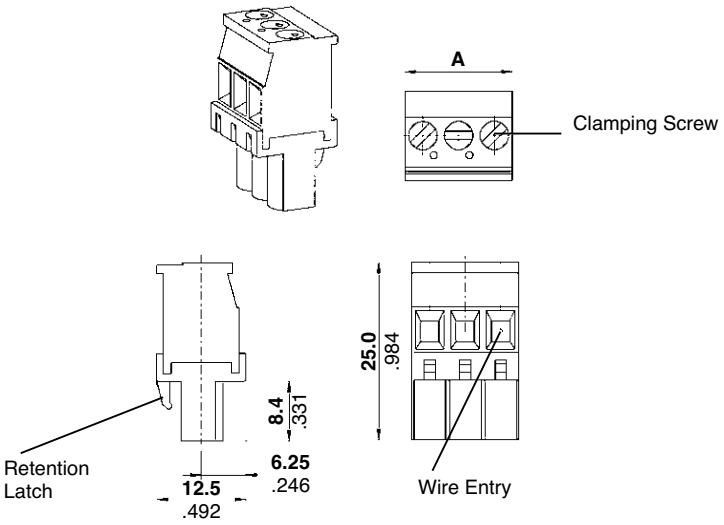


### VERTICAL - RIGHT HAND

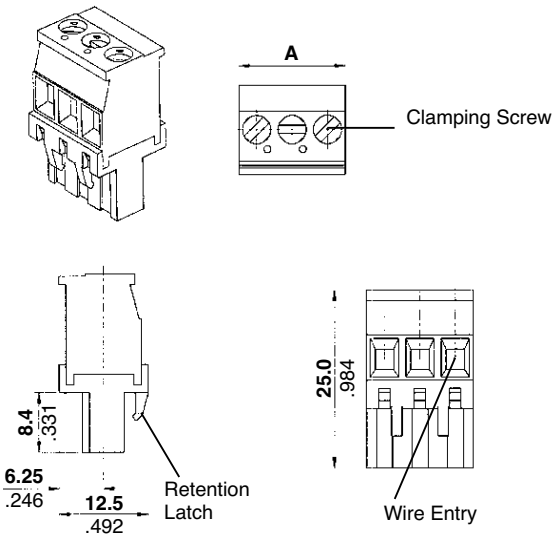


Dimension [Unit: mm(in)]

**Left-Hand Version**




**Right-Hand Version**



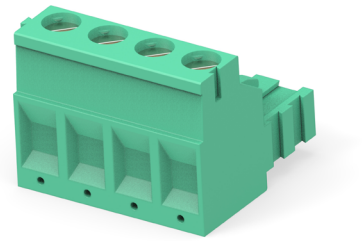
## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 180° | 180° |
| 2 | 10.16 (0.400) | 284047-2 | 284041-2 |
| 3 | 15.24 (0.600) | 284047-3 | 284041-3 |
| 4 | 20.32 (0.800) | 284047-4 | 284041-4 |
| 5 | 25.40 (1.000) | 284047-5 | 284041-5 |
| 6 | 30.48 (1.200) | 284047-6 | 284041-6 |
| 7 | 35.56 (1.400) | 284047-7 | 284041-7 |
| 8 | 40.64 (1.600) | 284047-8 | 284041-8 |
| 9 | 45.72 (1.800) | 284047-9 | 284041-9 |
| 10 | 50.80 (2.000) | 1-284047-0 | 1-284041-0 |
| 11 | 55.88 (2.200) | 1-284047-1 | 1-284041-1 |
| 12 | 60.96 (2.400) | 1-284047-2 | 1-284041-2 |
| 14 | 71.12 (2.800) | 1-284047-4 | 1-284041-4 |
| 16 | 81.28 (3.200) | 1-284047-6 | 1-284041-6 |
| 18 | 91.44 (3.600) | 1-284047-8 | - |
| 24 | 121.92 (4.800) | 2-284047-4 | - |
| 18 | 91.44 (3.600) | 2-284047-9 | 2-284041-9 |
| 18 | 91.44 (3.600) | 3-284047-0 | - |
| 24 | 121.92 (4.800) | 3-284047-1 | - |
| 12 | 60.96 (2.400) | - | 3-284041-4 |
| 16 | 81.28 (3.200) | 3-284047-5 | - |
| 16 | 81.28 (3.200) | 3-284047-6 | - |
| 24 | 121.92 (4.800) | 3-284047-7 | - |
| 21 | 106.68 (4.200) | 4-284047-0 | - |
| 21 | 106.68 (4.200) | 4-284047-1 | - |

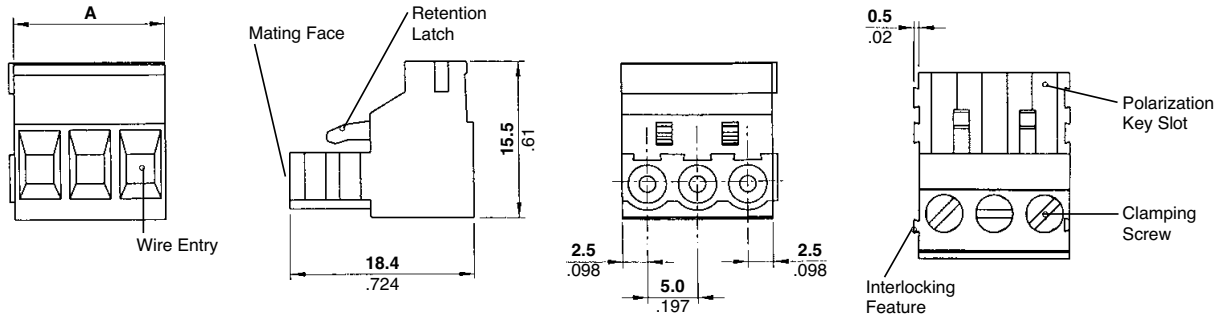
**Notes**:
1. BUCHANAN Terminal Block 284047* has been replaced with 1546122* (Gray).
2. BUCHANAN Terminal Block 284041* has been replaced with 1546224* (Gray) and 1546105 (Black).

# TWO-PIECE TERMINAL BLOCK, MODULAR PLUG WITH LATCHES - 5.08 mm PITCH

## RIGHT-ANGLE



### Dimension [Unit: mm(in)]

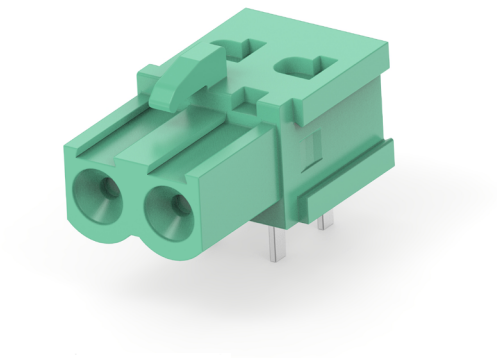



## PRODUCT INFORMATION

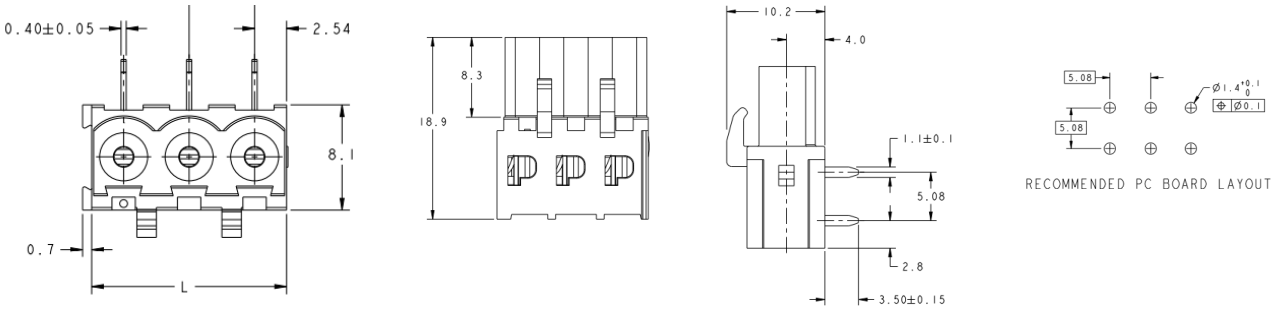
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 10.0 (0.394) | 282807-2 |
| 3 | 15.0 (0.591) | 282807-3 |
| 4 | 20.0 (0.787) | 282807-4 |
| 5 | 25.0 (0.984) | 282807-5 |

## TWO-PIECE TERMINAL BLOCK, PLUG WITH PINS - 5.08 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

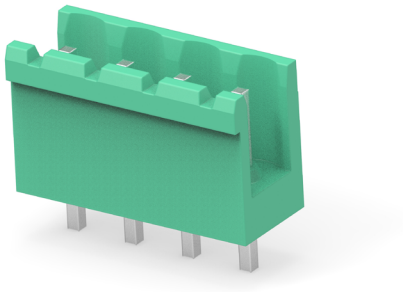



## PRODUCT INFORMATION

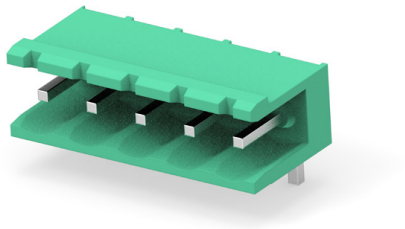
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 10.16 (0.40) | 1986257-2 |

## TWO-PIECE TERMINAL BLOCK, STACKABLE HEADERS WITH OPEN ENDS - 5.08 mm PITCH

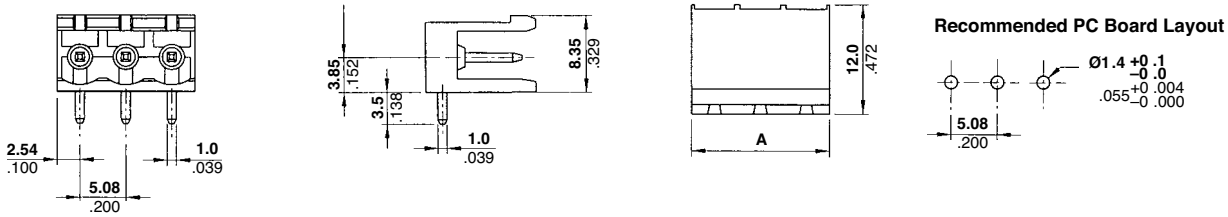
### RIGHT-ANGLE



### VERTICAL



### Dimension [Unit: mm(in)]



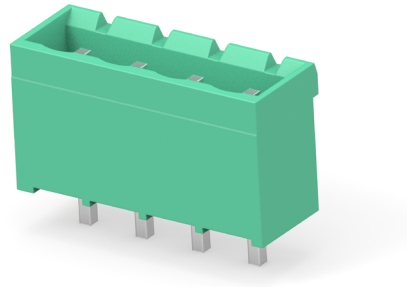

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.16 (0.40) | 282815-2 | 282825-2 |
| 3 | 15.24 (0.60) | 282815-3 | 282825-3 |
| 4 | 20.32 (0.80) | 282815-4 | 282825-4 |
| 5 | 25.40 (1.00) | 282815-5 | 282825-5 |
| 6 | 30.48 (1.20) | 282815-6 | 282825-6 |
| 7 | 35.56 (1.40) | 282815-7 | 282825-7 |
| 8 | 40.64 (1.60) | 282815-8 | 282825-8 |
| 9 | 45.72 (1.80) | 282815-9 | 282825-9 |
| 10 | 50.80 (2.00) | 1-282815-0 | 1-282825-0 |
| 11 | 55.88 (2.20) | 1-282815-1 | 1-282825-1 |
| 12 | 60.96 (2.40) | 1-282815-2 | 1-282825-2 |
| 14 | 71.12 (2.80) | - | 1-282825-4 |
| 16 | 81.28 (3.20) | 1-282815-6 | 1-282825-6 |
| 18 | 91.44 (3.60) | 1-282815-8 | - |
| 24 | 121.92 (4.80) | - | 2-282825-4 |

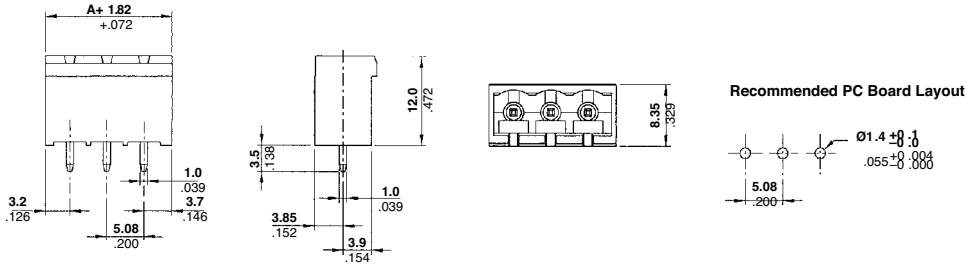
**Notes**:
1. BUCHANAN Terminal Block 282815* has been replaced with 1546110* (Gray).
2. BUCHANAN Terminal Block 282825* has been replaced with 1546213* (Gray).

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED END - 5.08 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]



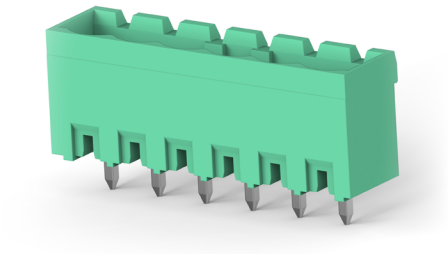

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 10.16 (0.40) | 796636-2 |
| 3 | 15.24 (0.60) | 796636-3 |
| 4 | 20.32 (0.80) | 796636-4 |
| 5 | 25.40 (1.00) | 796636-5 |
| 6 | 30.48 (1.20) | 796636-6 |
| 7 | 35.56 (1.40) | 796636-7 |
| 8 | 40.64 (1.60) | 796636-8 |
| 9 | 45.72 (1.80) | 796636-9 |
| 10 | 50.80 (2.00) | 1-796636-0 |
| 11 | 55.88 (2.20) | 1-796636-1 |
| 12 | 60.96 (2.40) | 1-796636-2 |
| 13 | 66.04 (2.60) | 1-796636-3 |
| 14 | 71.12 (2.80) | 1-796636-4 |
| 16 | 81.28 (3.20) | 1-796636-6 |
| 17 | 86.36 (3.40) | 1-796636-7 |
| 18 | 91.44 (3.60) | 1-796636-8 |
| 21 | 106.68 (4.20) | 2-796636-1 |
| 24 | 121.92 (4.80) | 2-796636-4 |

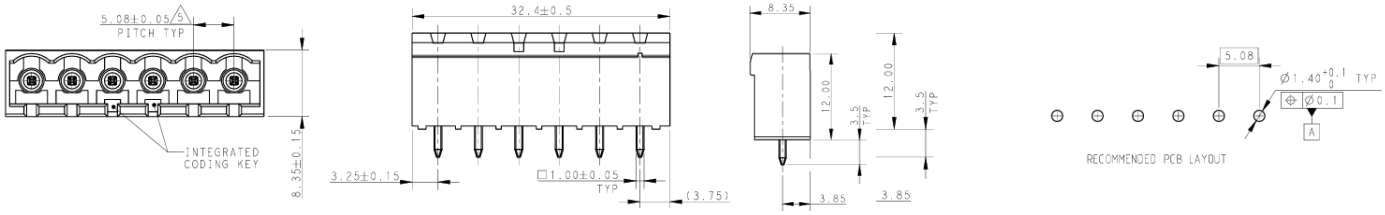
**Notes**: BUCHANAN Terminal Block 796636* has been replaced with 1546111* (Gray) and 796637* (Black).

## TWO-PIECE TERMINAL BLOCK, CLOSED END HEADER WITH CODING KEYS - 5.08 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

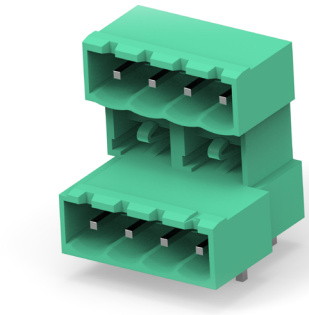



## PRODUCT INFORMATION

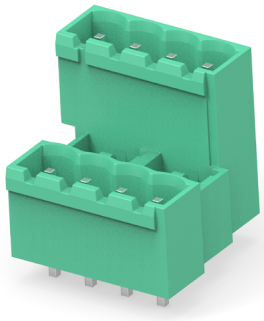
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 6 | 30.48 (1.20) | 2368814-6 |

## TWO-PIECE TERMINAL BLOCK, MULTILEVEL HEADER, WITH CLOSE END - 5.08 mm PITCH

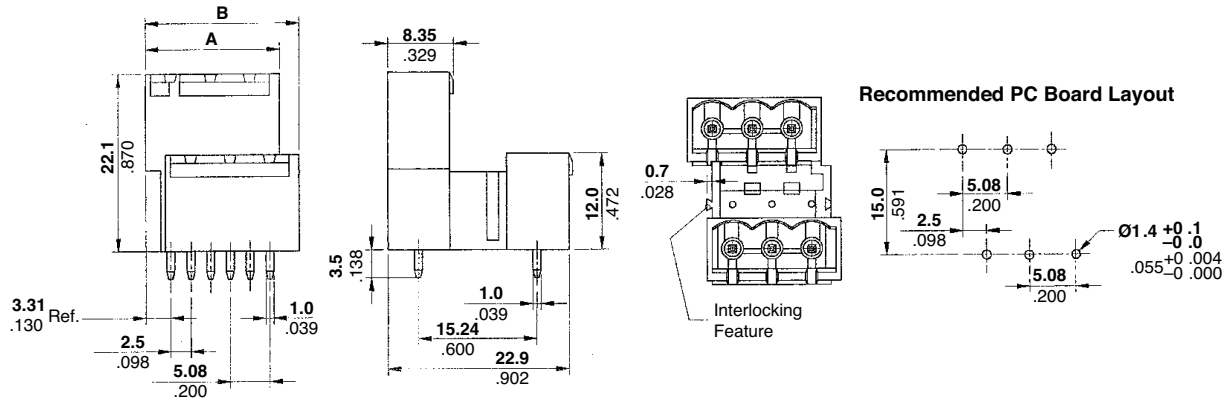
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

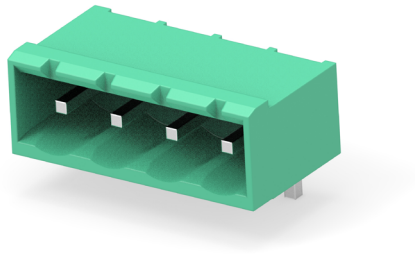



## PRODUCT INFORMATION

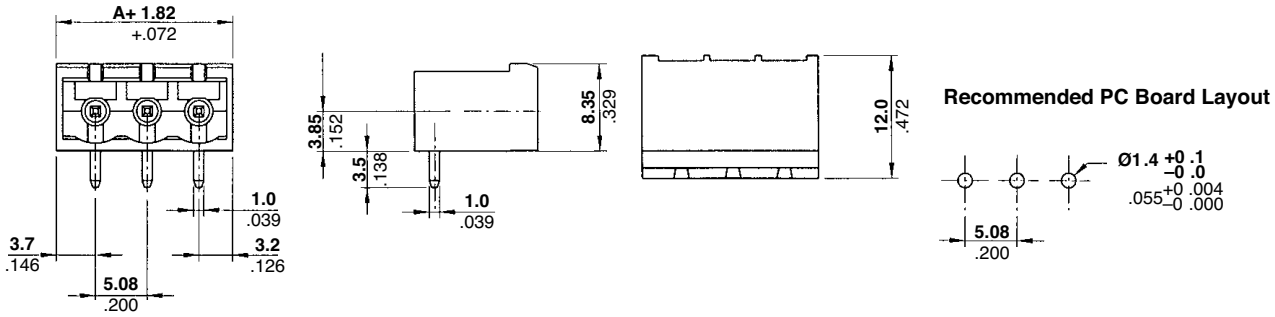
| No. of Positions | Dim. A mm(in) | Part Numbers | Part Numbers |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 12.20 (0.48) | 284061-2 | 284065-2 |
| 3 | 17.28 (0.68) | 284061-3 | 284065-3 |
| 4 | 22.36 (0.88) | 284061-4 | 284065-4 |
| 5 | 27.44 (1.08) | 284061-5 | 284065-5 |
| 6 | 32.52 (1.28) | 284061-6 | 284065-6 |
| 7 | 37.60 (1.48) | 284061-7 | 284065-7 |
| 8 | 42.68 (1.68) | 284061-8 | 284065-8 |
| 9 | 47.76 (1.88) | 284061-9 | 284065-9 |
| 10 | 52.84 (2.08) | 1-284061-0 | 1-284065-0 |
| 11 | 57.92 (2.28) | 1-284061-1 | - |
| 12 | 63.00 (2.48) | 1-284061-2 | - |
| 18 | 93.20 (3.67) | - | 2-284065-8 |
| 24 | 123.68 (4.87) | - | 3-284065-0 |
| 16 | 83.08 (3.27) | - | 3-284065-1 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED END - 5.08 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]



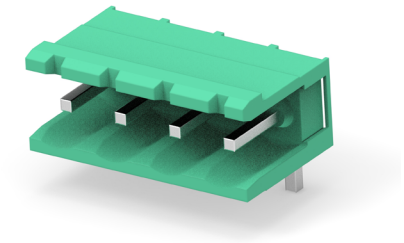

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 10.16 (0.40) | 796638-2 |
| 3 | 15.24 (0.60) | 796638-3 |
| 4 | 20.32 (0.80) | 796638-4 |
| 5 | 25.40 (1.00) | 796638-5 |
| 6 | 30.48 (1.20) | 796638-6 |
| 7 | 35.56 (1.40) | 796638-7 |
| 8 | 40.64 (1.60) | 796638-8 |
| 9 | 45.72 (1.80) | 796638-9 |
| 10 | 50.80 (2.00) | 1-796638-0 |
| 11 | 55.88 (2.20) | 1-796638-1 |
| 12 | 60.96 (2.40) | 1-796638-2 |
| 13 | 66.04 (2.60) | 1-796638-3 |
| 14 | 71.12 (2.80) | 1-796638-4 |
| 16 | 81.28 (3.20) | 1-796638-6 |
| 18 | 101.60 (4.00) | 1-796638-8 |
| 20 | 101.60 (4.00) | 2-796638-0 |
| 21 | 106.68 (4.20) | 2-796638-1 |
| 24 | 121.92 (4.80) | 2-796638-4 |

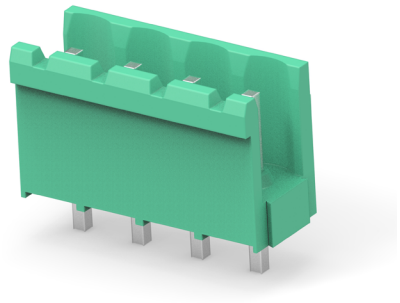
**Notes**: BUCHANAN Terminal Block 796638* has been replaced with 1546109* (Gray) and 796639* (Black).

## TWO-PIECE TERMINAL BLOCK, MODULAR HEADER WITH OPEN ENDS - 5.08 mm PITCH

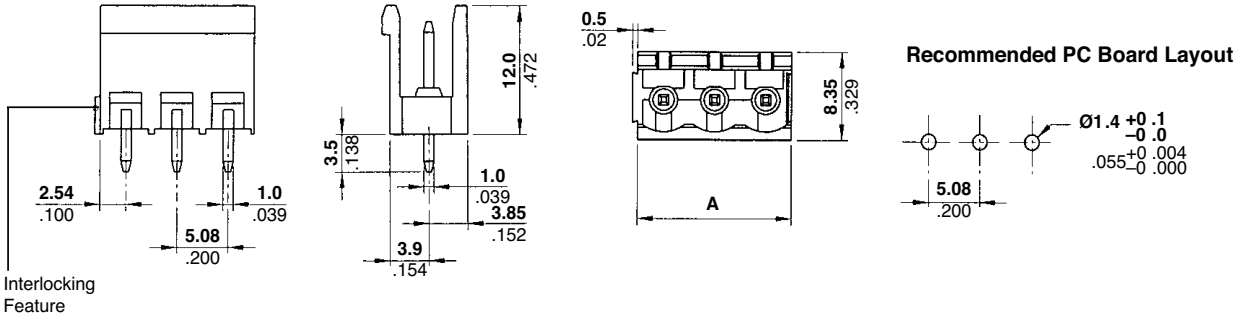
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

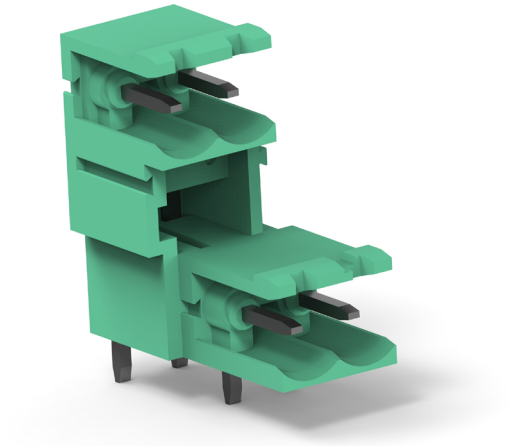



## PRODUCT INFORMATION

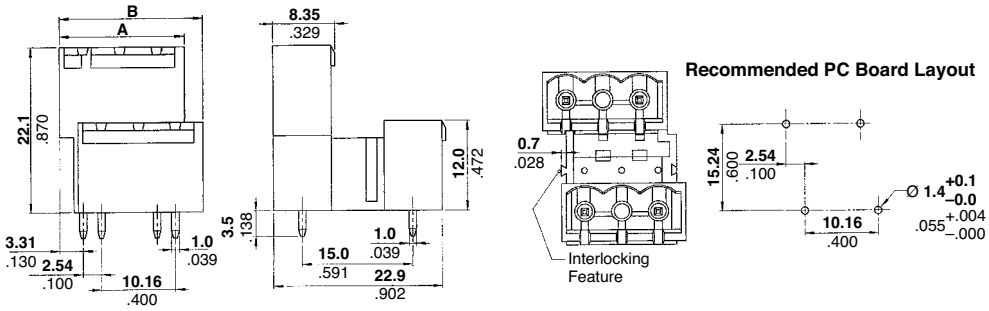
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.16 (0.40) | 282814-2 | 282824-2 |
| 3 | 15.24 (0.60) | 282814-3 | 282824-3 |
| 4 | 20.32 (0.80) | 282814-4 | 282824-4 |

# TWO-PIECE TERMINAL BLOCK, MULTILEVEL MODUALR HEADER WITH OPEN END - 5.08 mm

## RIGHT-ANGLE



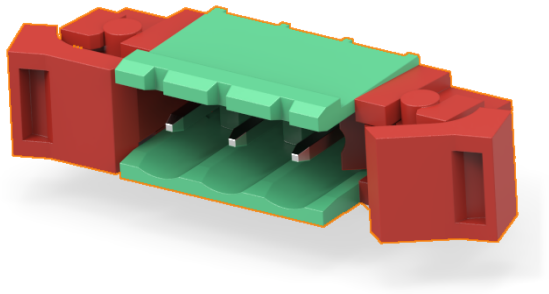
Dimension [Unit: mm(in)]



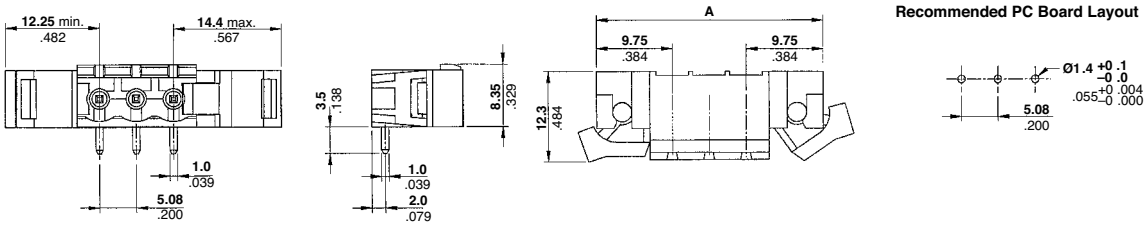

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 10.16 (0.40) | 284053-2 |
| 3 | 15.24 (0.60) | 284053-3 |
| 5 | 25.40 (0.80) | 284053-5 |
| 6 | 30.48 (1.00) | 284053-6 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH EJECTOR EARS - 5.08 mm PITCH



Dimension [Unit: mm(in)]

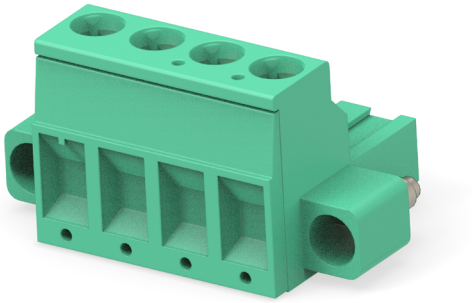



## PRODUCT INFORMATION

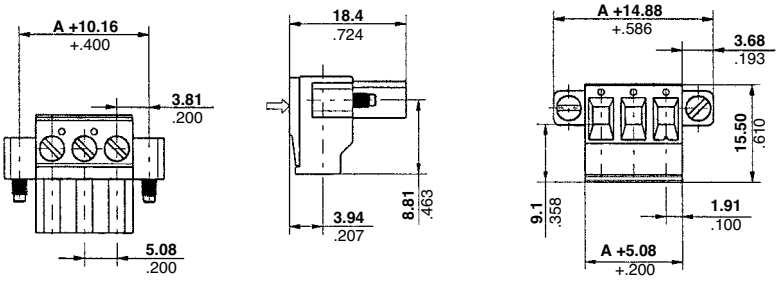
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 24.58 (0.968) | 284008-2 |

## TWO-PIECE TERMINAL BLOCK, PLUG WITH SCREW FLANGE - 5.08 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

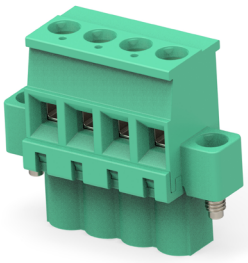



## PRODUCT INFORMATION

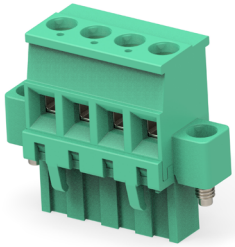
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 5.08 (0.20) | 796859-2 |
| 3 | 10.16 (0.40) | 796859-3 |
| 4 | 15.24 (0.60) | 796859-4 |
| 5 | 20.32 (0.80) | 796859-5 |
| 6 | 25.40 (1.00) | 796859-6 |
| 7 | 30.48 (1.20) | 796859-7 |
| 8 | 35.56 (1.40) | 796859-8 |
| 9 | 40.64 (1.60) | 796859-9 |
| 10 | 45.72 (1.80) | 1-796859-0 |
| 11 | 50.80 (2.00) | 1-796859-1 |
| 12 | 55.88 (2.20) | 1-796859-2 |
| 14 | 66.04 (2.60) | 1-796859-4 |
| 16 | 76.20 (3.00) | 1-796859-6 |
| 17 | 81.28 (3.20) | 1-796859-7 |
| 18 | 86.36 (3.40) | 1-796859-8 |

## TWO-PIECE TERMINAL BLOCK, PLUG WITH FLANGE - 5.08 mm PITCH

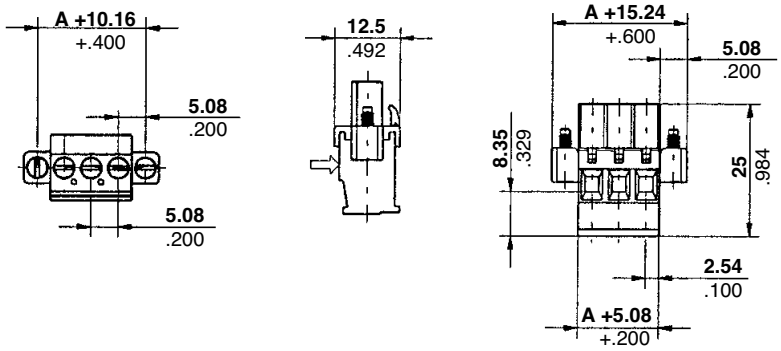
### VERTICAL LEFT HAND



### VERTICAL RIGHT HAND



Dimension [Unit: mm(in)]

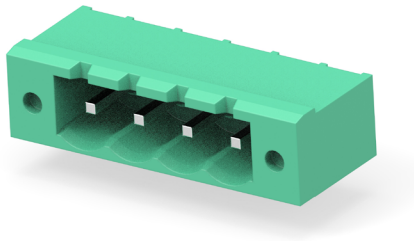



## PRODUCT INFORMATION

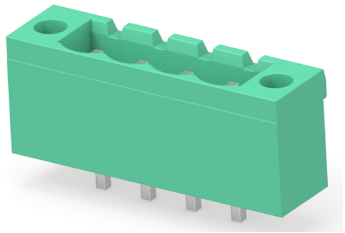
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 180° | 180° |
| 2 | 5.08 (0.20) | 796861-2 | 796863-2 |
| 3 | 10.16 (0.40) | 796861-3 | 796863-3 |
| 4 | 15.24 (0.60) | 796861-4 | 796863-4 |
| 5 | 20.32 (0.80) | 796861-5 | 796863-5 |
| 6 | 25.40 (1.00) | 796861-6 | 796863-6 |
| 7 | 30.48 (1.20) | 796861-7 | 796863-7 |
| 8 | 35.56 (1.40) | 796861-8 | 796863-8 |
| 9 | 40.64 (1.60) | 796861-9 | 796863-9 |
| 10 | 45.72 (1.80) | 1-796861-0 | 1-796863-0 |
| 12 | 55.88 (2.20) | 1-796861-2 | - |
| 16 | 60.96 (2.40) | - | 1-796863-6 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH SCREW FLANGE - 5.08 mm PITCH

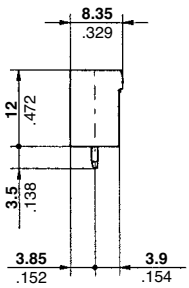
### RIGHT-ANGLE

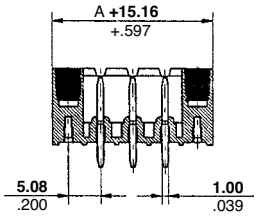


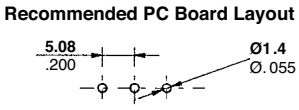
### VERTICAL



Dimension [Unit: mm(in)]



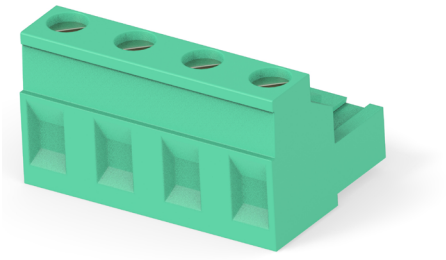

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 5.08 (0.20) | 796866-2 | 796867-2 |
| 3 | 10.16 (0.40) | 796866-3 | 796867-3 |
| 4 | 15.24 (0.60) | 796866-4 | 796867-4 |
| 5 | 20.32 (0.80) | 796866-5 | 796867-5 |
| 6 | 25.40 (1.00) | 796866-6 | 796867-6 |
| 7 | 30.48 (1.20) | 796866-7 | 796867-7 |
| 8 | 35.56 (1.40) | 796866-8 | 796867-8 |
| 9 | 40.64 (1.60) | 796866-9 | 796867-9 |
| 10 | 45.72 (1.80) | 1-796866-0 | 1-796867-0 |
| 12 | 55.88 (2.20) | 1-796866-1 | 1-796867-2 |
| 13 | 60.96 (2.40) | 1-796866-2 | 1-796867-3 |
| 15 | 71.12 (2.80) | 1-796866-4 | 1-796867-5 |
| 16 | 76.20 (3.00) | 1-796866-6 | 1-796867-6 |
| 18 | 86.36 (3.40) | 1-796866-7 | 1-796867-8 |

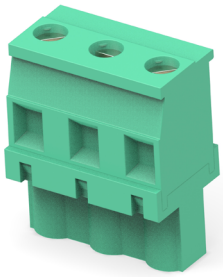
**Notes:** BUCHANAN Terminal Block 796866* has been replaced with Part Number 1546518* (Black)

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG WITH LATCHES - 7.5 mm PITCH

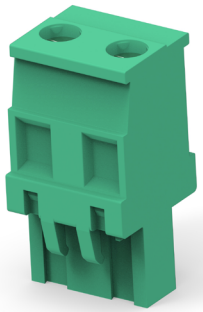
### RIGHT-ANGLE



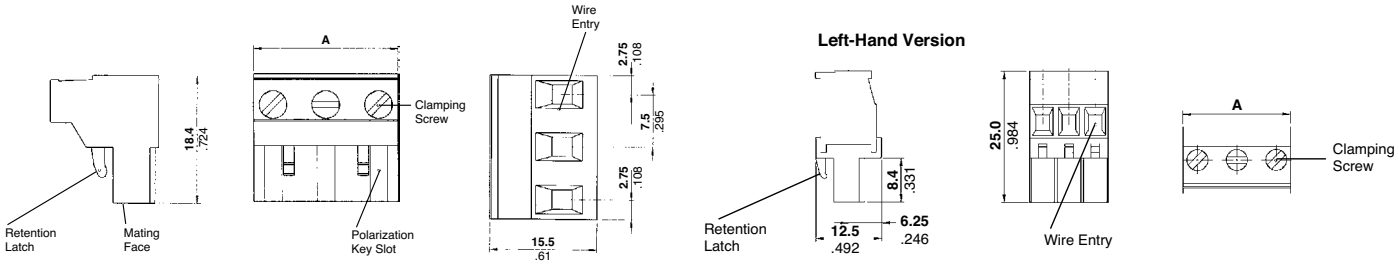
### VERTICAL LEFT HAND



### VERTICAL RIGHT HAND



Dimension [Unit: mm(in)]

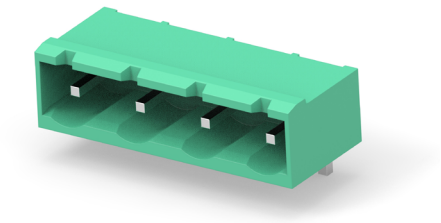



## PRODUCT INFORMATION

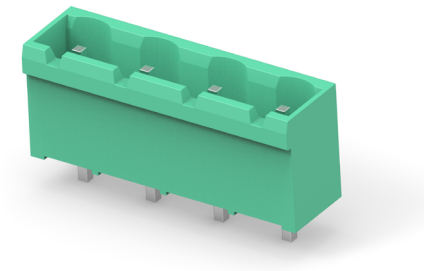
| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 90° | 180° | 180° |
| 2 | 13.0 (0.512) | 282959-2 | 284042-2 | - |
| 3 | 20.5 (0.807) | 282959-3 | 284042-3 | - |
| 4 | 28.0 (1.102) | 282959-4 | 284042-4 | - |
| 5 | 35.5 (1.398) | 282959-5 | 284042-5 | - |
| 6 | 43.0 (1.693) | 282959-6 | 284042-6 | - |
| 7 | 50.5 (1.988) | 282959-7 | 284042-7 | - |
| 8 | 58.0 (2.283) | 282959-8 | 284042-8 | - |
| 9 | 65.5 (2.579) | 282959-9 | 284042-9 | - |
| 10 | 73.0 (2.874) | - | 1-284042-0 | - |
| 11 | 80.5 (3.169) | - | 1-284042-1 | - |
| 12 | 88.0 (3.465) | - | 1-284042-2 | - |
| 2 | 13.0 (0.512) | - | - | 2-284048-2 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSE ENDS - 7.5 mm PITCH

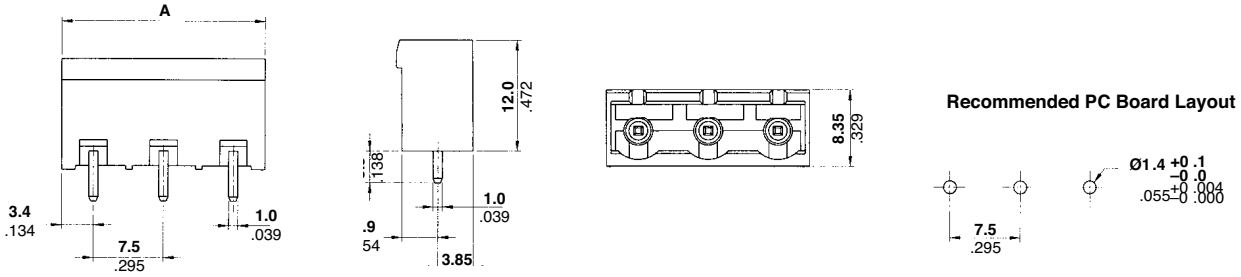
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

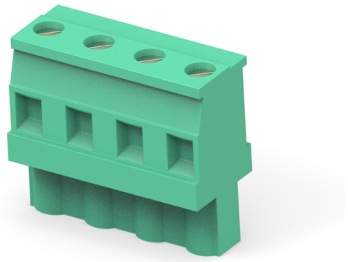



## PRODUCT INFORMATION

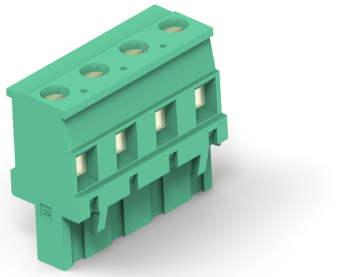
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 14.3 (0.563) | 282962-2 | 282964-2 |
| 3 | 21.8 (0.858) | 282962-3 | 282964-3 |
| 4 | 29.3 (1.154) | 282962-4 | - |
| 5 | 36.8 (1.449) | 282962-5 | 282964-5 |
| 6 | 44.3 (1.744) | 282962-6 | - |
| 7 | 51.8 (2.039) | 282962-7 | - |
| 8 | 59.3 (2.335) | 282962-8 | 282964-8 |
| 9 | 66.8 (2.630) | 282962-9 | - |

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG WITH LATCHES - 7.62 mm PITCH

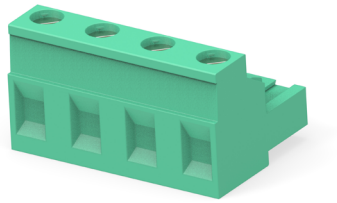
### VERTICAL LEFT HAND



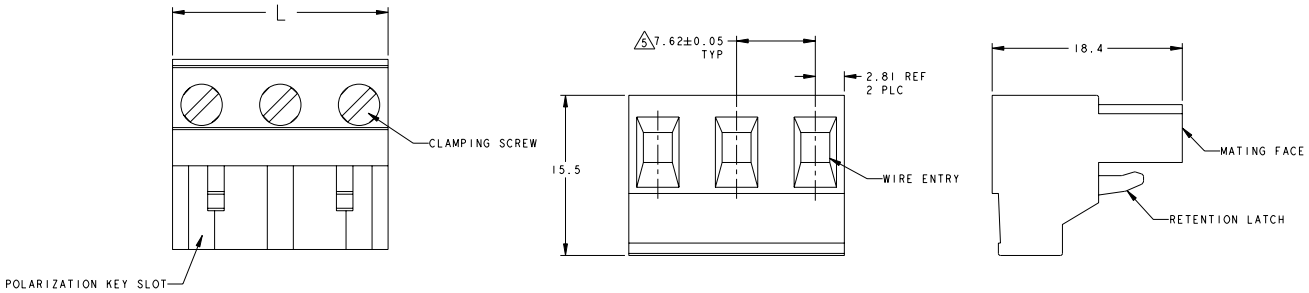
### VERTICAL RIGHT HAND



### RIGHT-ANGLE



Dimension [Unit: mm(in)]

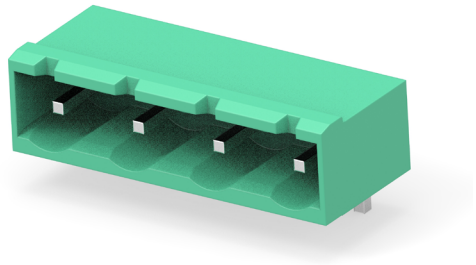



## PRODUCT INFORMATION

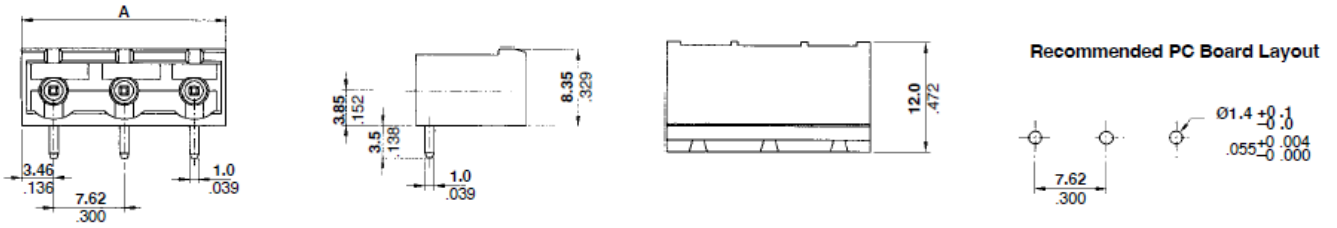
| No. of Positions | Dim. A mm(in) | Part Numbers | | |
|---|---|---|---|---|
| | | 180° | 180° | 90° |
| 2 | 13.24 (0.521) | 284043-2 | 284049-2 | 796981-2 |
| 3 | 20.86 (0.821) | 284043-3 | 284049-3 | 796981-3 |
| 4 | 28.48 (1.121) | 284043-4 | 284049-4 | 796981-4 |
| 5 | 36.10 (1.421) | 284043-5 | 284049-5 | 796981-5 |
| 6 | 43.72 (1.721) | 284043-6 | 284049-6 | 796981-6 |
| 7 | 51.34 (2.021) | 284043-7 | 284049-7 | 796981-7 |
| 8 | 58.96 (2.321) | 284043-8 | 284049-8 | 796981-8 |
| 9 | 66.58 (2.621) | 284043-9 | 284049-9 | 796981-9 |
| 10 | 74.20 (2.921) | 1-284043-0 | - | 1-796981-0 |
| 11 | 81.82 (3.221) | 1-284043-1 | - | 1-796981-1 |
| 12 | 89.44 (3.521) | 1-284043-2 | - | 1-796981-2 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSE ENDS - 7.62 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

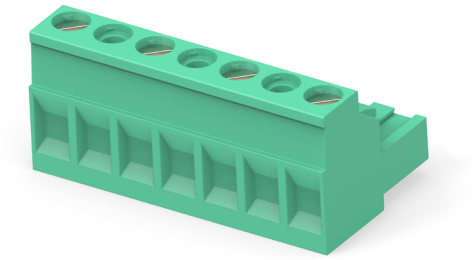



## PRODUCT INFORMATION

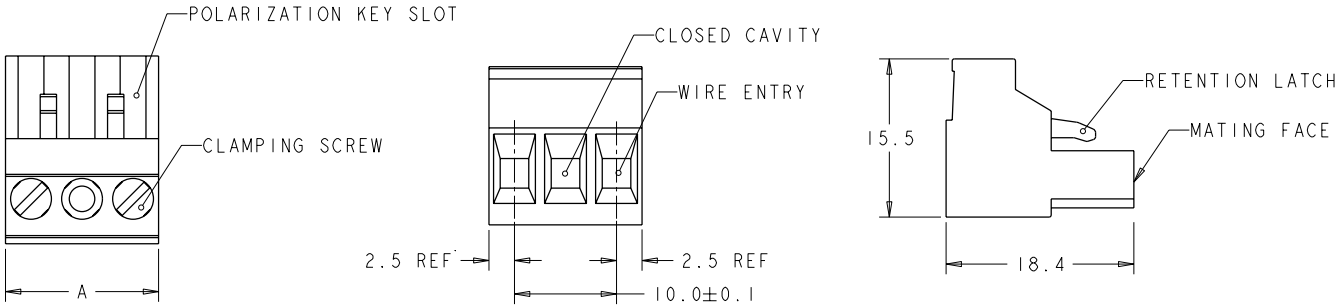
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 14.44 (0.568) | 282966-2 |
| 3 | 22.06 (0.868) | 282966-3 |
| 4 | 29.68 (1.168) | 282966-4 |
| 5 | 37.30 (1.468) | 282966-5 |
| 6 | 44.92 (1.768) | 282966-6 |
| 7 | 52.54 (2.068) | 282966-7 |
| 8 | 60.16 (2.368) | 282966-8 |
| 9 | 67.78 (2.668) | 282966-9 |
| 10 | 75.40 (2.968) | 1-282966-0 |
| 11 | 83.02 (3.268) | 1-282966-1 |
| 12 | 90.64 (3.568) | 1-282966-2 |

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG WITH LATCH - 10.0 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

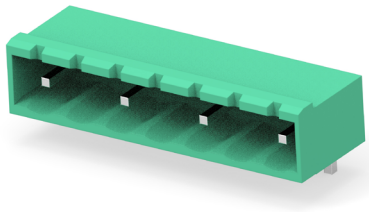



## PRODUCT INFORMATION

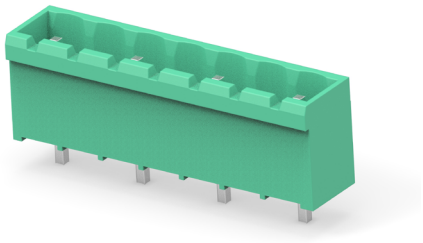
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 15.0 (0.591) | 282808-2 |
| 3 | 25.0 (0.984) | 282808-3 |
| 4 | 35.0 (1.378) | 282808-4 |
| 5 | 45.0 (1.772) | 282808-5 |
| 6 | 55.0 (2.165) | 282808-6 |
| 7 | 65.0 (2.559) | 282808-7 |
| 8 | 75.0 (2.953) | 282808-8 |
| 10 | 95.0 (3.740) | 1-282808-0 |
| 4 | 25.0 (0.984) | 1-282808-4 |
| 3 | 35.0 (1.378) | 3-282808-3 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED ENDS - 10.0 mm PITCH

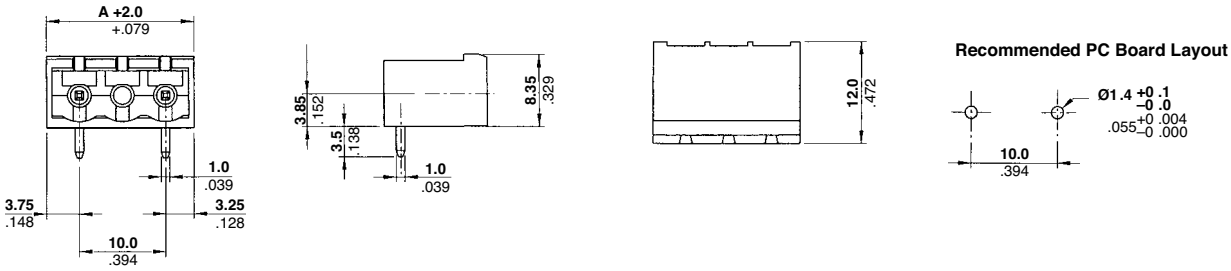
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

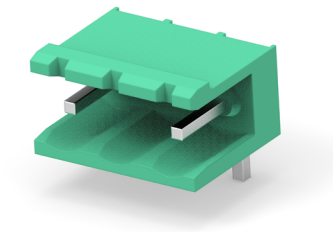



## PRODUCT INFORMATION

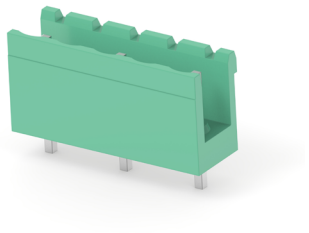
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 15.0 (0.591) | 282816-2 | - |
| 3 | 25.0 (0.984) | 282816-3 | 282826-3 |
| 4 | 35.0 (1.378) | 282816-4 | 282826-4 |
| 5 | 45.0 (1.772) | - | 282826-5 |
| 6 | 55.0 (2.165) | 282816-6 | 282826-6 |
| 7 | 65.0 (2.559) | - | 282826-7 |
| 8 | 75.0 (2.953) | 282816-8 | - |

# TWO-PIECE TERMINAL BLOCK, STACKABLE HEADER WITH OPEN ENDS - 10.0 mm PITCH

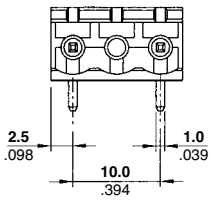
## RIGHT-ANGLE

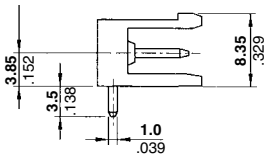


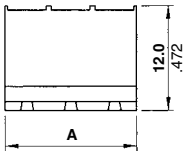
## VERTICAL

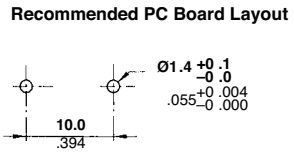


Dimension [Unit: mm(in)]



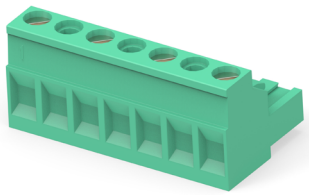




## PRODUCT INFORMATION

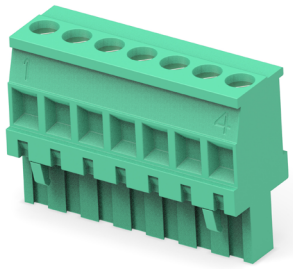
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 15.0 (0.591) | 282817-2 | - |
| 3 | 25.0 (0.984) | 282817-3 | 282827-3 |
| 4 | 35.0 (1.378) | 282817-4 | - |
| 5 | 45.0 (1.772) | 282817-5 | - |
| 6 | 55.0 (2.165) | 282817-6 | - |
| 7 | 65.0 (2.559) | 282817-7 | - |
| 8 | 75.0 (2.953) | 282817-8 | - |
| 9 | 85.0 (3.346) | 282817-9 | - |
| 10 | 95.0 (3.740) | 1-282817-0 | - |
| 11 | 105.0 (4.134) | 1-282817-1 | - |
| 12 | 115.0 (4.528) | 1-282817-2 | - |

## TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG WITH LATCHES - 10.16 mm PITCH

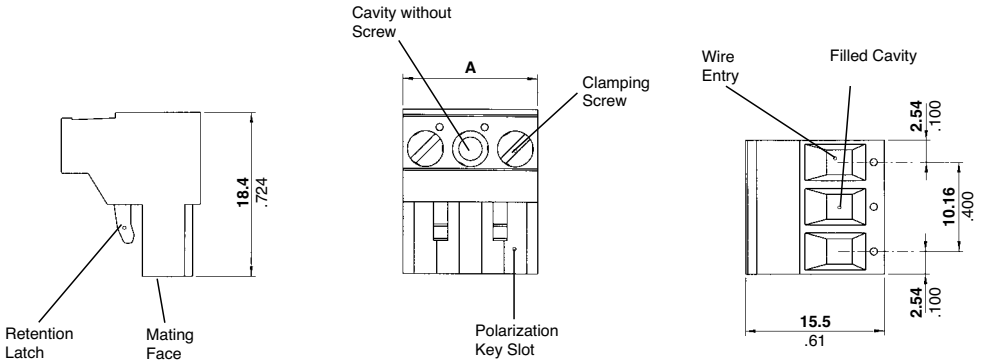
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]



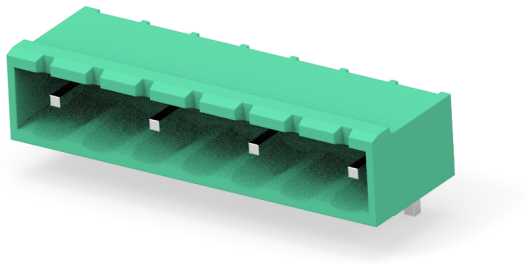

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 15.24 (0.60) | 282809-2 | 284051-2 |
| 3 | 25.40 (1.00) | 282809-3 | 284051-3 |
| 4 | 35.56 (1.40) | 282809-4 | 284051-4 |
| 5 | 45.72 (1.80) | 282809-5 | 284051-5 |
| 6 | 55.88 (2.20) | 282809-6 | 284051-6 |
| 7 | 66.04 (2.60) | 282809-7 | 284051-7 |
| 8 | 76.20 (3.00) | 282809-8 | 284051-8 |
| 9 | 86.36 (3.40) | 282809-9 | 284051-9 |
| 10 | 96.52 (3.80) | 1-282809-0 | 1-284051-0 |
| 11 | 106.68 (4.20) | 1-282809-1 | 1-284051-1 |
| 12 | 116.84 (4.60) | 1-282809-2 | 1-284051-2 |
| 13 | 127.00 (5.00) | 1-282809-3 | 1-284051-3 |
| 4 | 35.56 (1.40) | 1-282809-4 | - |
| 4 | 35.56 (1.40) | 1-282809-5 | - |

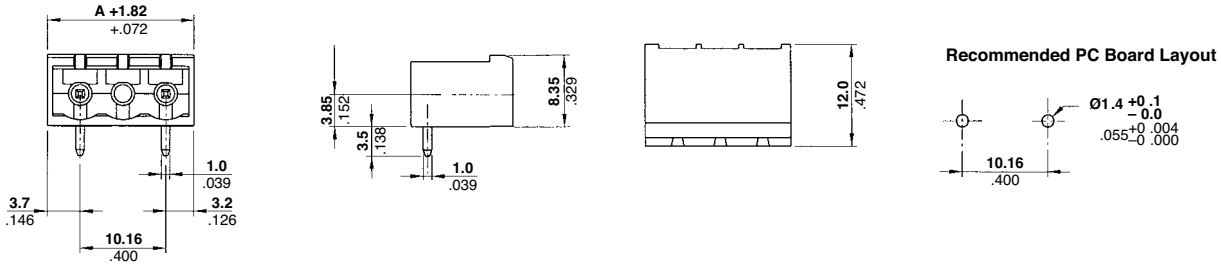
**Notes**: BUCHANAN Terminal Block 284051* has been replaced with 1776538* (Black).

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSE ENDS - 10.16 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]



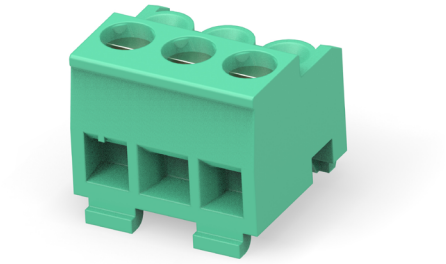

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 15.24 (0.60) | 282818-2 |
| 3 | 25.40 (1.00) | 282818-3 |
| 4 | 35.56 (1.40) | 282818-4 |
| 6 | 55.88 (2.20) | 282818-6 |
| 9 | 86.36 (3.40) | 282818-9 |
| 12 | 116.84 (4.60) | 1-282818-2 |

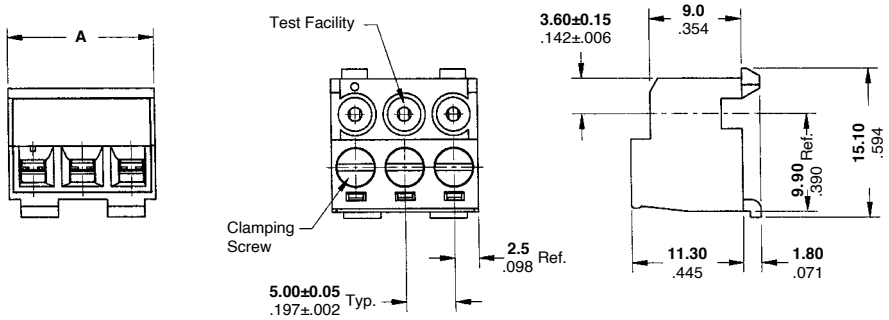
## SPECIAL PLUG CONNECTORS

### TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG - 5.0 mm PITCH

#### RIGHT-ANGLE



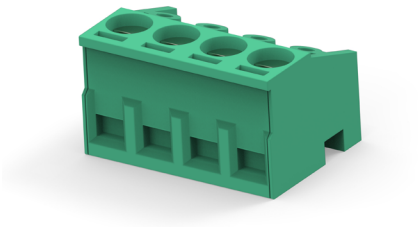
Dimension [Unit: mm(in)]



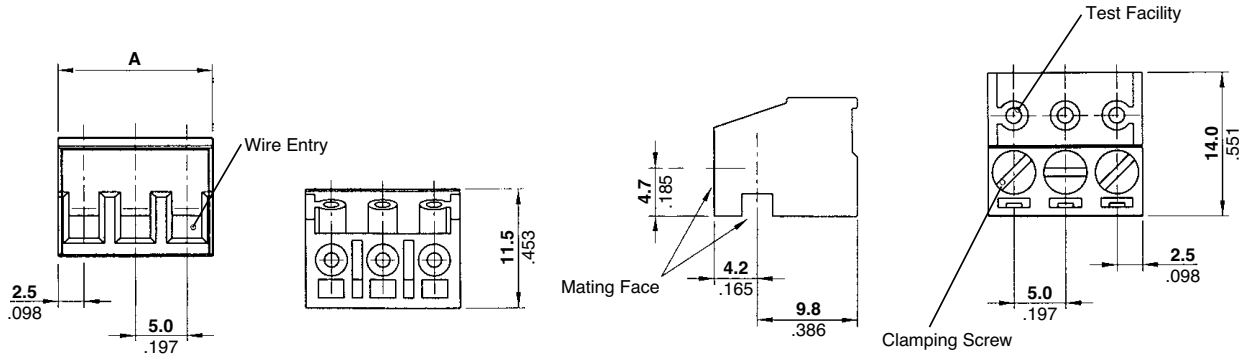

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2 | 10.0 (0.394) | 1546173-2 |
| 3 | 15.0 (0.591) | 1546173-3 |
| 6 | 30.0 (1.181) | 1546173-6 |
| 10 | 50.0 (1.969) | 1-1546173-0 |

## SPECIAL TYPE TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG - 5.00 mm PITCH



### Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

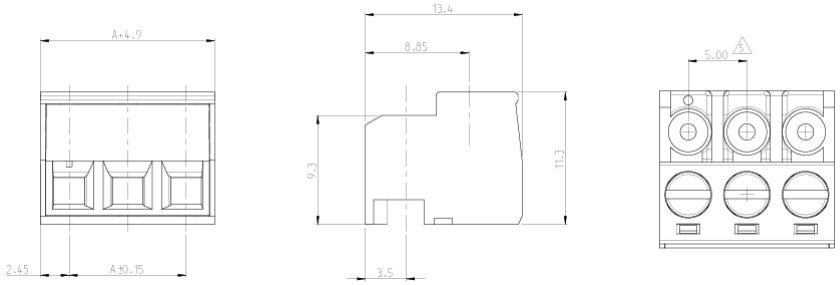
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90/180° |
| 2 | 10.0 (0.394) | 282830-2 |
| 3 | 15.0 (0.591) | 282830-3 |
| 4 | 20.0 (0.787) | 282830-4 |
| 5 | 25.0 (0.984) | 282830-5 |
| 6 | 30.0 (1.181) | 282830-6 |
| 8 | 35.0 (1.378) | 282830-8 |
| 10 | 40.0 (1.575) | 1-282830-0 |
| 11 | 45.0 (1.772) | 1-282830-1 |
| 3 | 15.0 (0.591) | 3-282830-0 |
| 4 | 20.0 (0.787) | 3-282830-8 |
| 5 | 25.0 (0.984) | 3-282830-9 |

**Notes**: BUCHANAN Terminal Block 282830* has been replaced with 1546018* (Black).

## SPECIAL TYPE TWO-PIECE TERMINAL BLOCK, STACKABLE PLUG - 5.0 mm PITCH



Dimension [Unit: mm(in)]

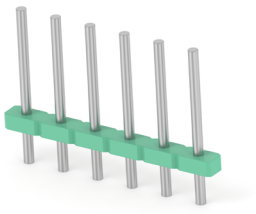



## PRODUCT INFORMATION

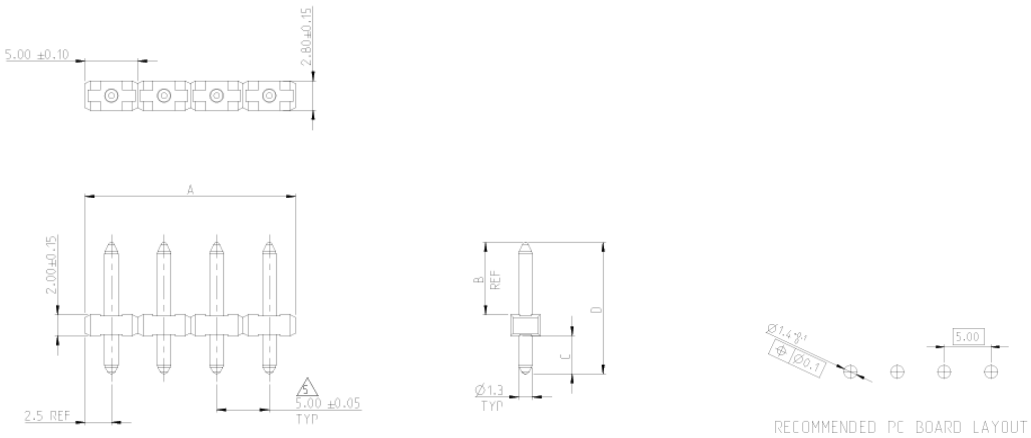
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90°/270° |
| 19 | 30.0 (1.181) | 1-1986835-9 |

## TWO-PIECE TERMINAL BLOCK, STACKABLE UNSHROUDED HEADERS - 5.0 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

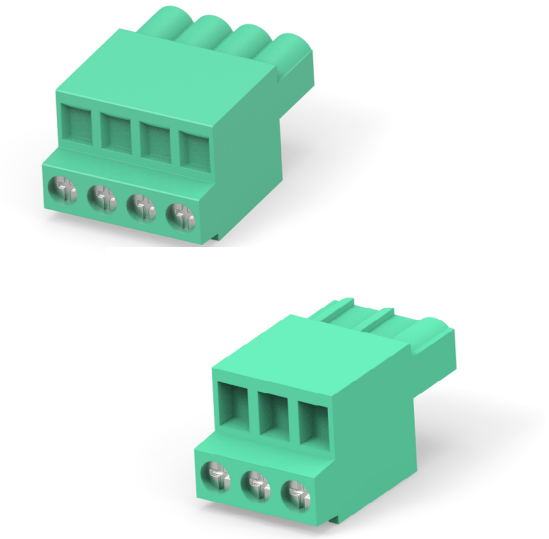
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 10.0 (0.394) | 282832-2 |
| 3 | 15.0 (0.591) | 282832-3 |
| 4 | 20.0 (0.787) | 282832-4 |
| 5 | 25.0 (0.984) | 282832-5 |
| 6 | 30.0 (1.181) | 282832-6 |
| 7 | 35.0 (1.378) | 282832-7 |
| 8 | 40.0 (1.575) | 282832-8 |
| 9 | 45.0 (1.772) | 282832-9 |
| 10 | 50.0 (1.969) | 1-282832-0 |
| 11 | 55.0 (2.165) | 1-282832-1 |
| 12 | 60.0 (2.362) | 1-282832-2 |
| 8 | 40.0 (1.575) | 1-282832-3 |
| 15 | 75.0 (2.953) | 1-282832-6 |
| 16 | 80.0 (3.150) | 1-282832-7 |
| 23 | 120.0 (4.724) | 2-282832-5 |
| 3 | 15.0 (0.591) | 3-282832-3 |
| 3 | 15.0 (0.591) | 3-282832-6 |
| 4 | 20.0 (0.787) | 3-282832-7 |
| 6 | 30.0 (1.181) | 4-282832-0 |

**Notes:** BUCHANAN Terminal Block 282832* has been replaced with Part Number 1546019* (Black)

# FRONT STYLE TERMINAL BLOCK PLUGS

## INTRODUCTION

The key feature of the front style terminal block plug is that the wire entry cavity and the activating screw head are on the same plane which is parallel to the plug in direction. These plugs in particular are being released with 5.0mm and 5.08mm centerline spacing and will mate to industry standard vertical and right angle headers.



### PRODUCT FACTS

- Double-row, dual barrier strips for wire-to-wire applications. These parts also allow end users to complete the wiring to a separate screw without disturbing the factory wiring.
- Available with either binding head screws or wire clamp
- Increased current-carrying capability

### APPLICATIONS

- Industrial controls
- HVAC controls
- Communications equipment
- Field wiring for either power or I/O connections
- Stacked (side by side) pluggable terminal block connections

### MECHANICAL PROPERTIES

- **Wire range:** 14-24 AWG
- **Screw torque:** 4.5 in-lbs
- **Operating temp:** -40° to +105° C

### ELECTRICAL PROPERTIES

- **Maximum Current -** 16 amps
- **Operating Voltage -** 300 volts

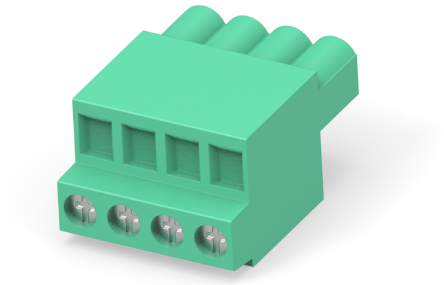
### KEY FEATURES

- Wire entry cavity and the activating screw head are located on the same side of the terminal block plug
- Wide range of wire AWGs accepted
- Mates with standard headers on 5.0 and 5.08mm centerline spacings

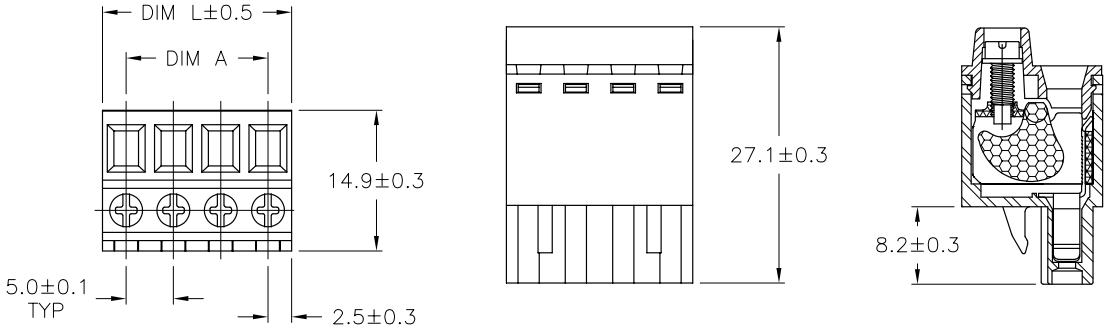
### MATERIALS

- PA 6.6
- UL 94V-0
- Zinc plated steel screws

## FRONT STYLE PLUGS - 5.0mm



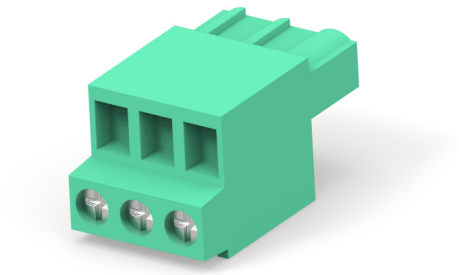
Dimension [Unit: mm(in)]



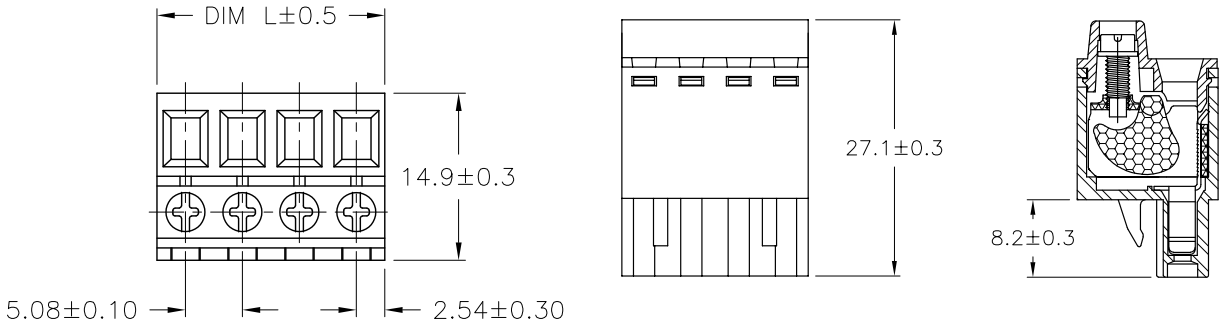

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| 3 | 10.0 (0.39) | 1986300-3 |
| 4 | 15.0 (0.59) | 1986300-4 |
| 8 | 35.0 (1.38) | 1986300-8 |

## FRONT STYLE PLUGS - 5.08mm



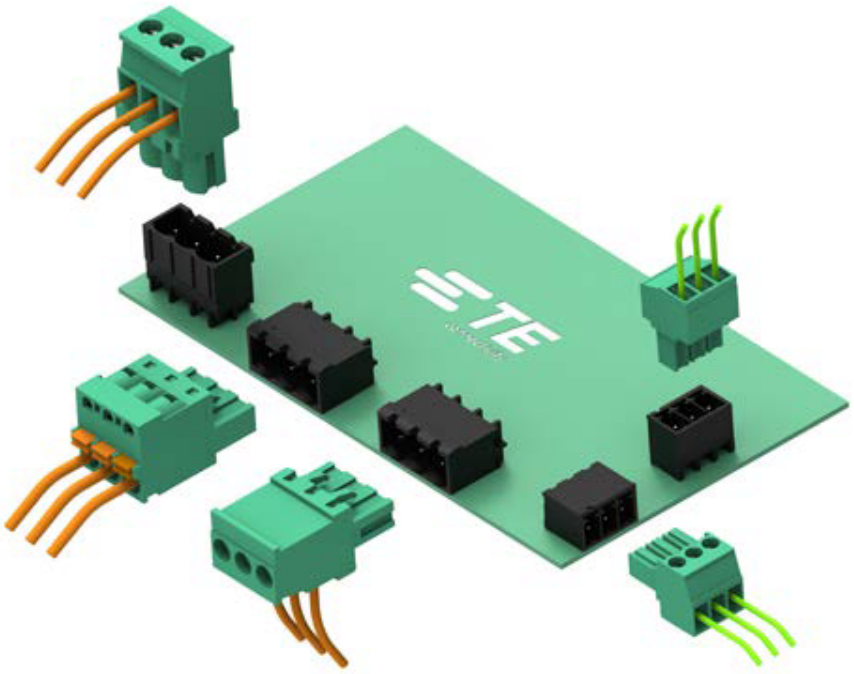
Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. L mm(in) | Part Numbers |
|---|---|---|
| 2 | 10.16 (0.40) | 1986484-2 |
| 3 | 15.24 (0.60) | 1986484-3 |
| 4 | 20.32 (0.80) | 1986484-4 |
| 5 | 25.40 (1.00) | 1986484-5 |
| 6 | 30.48 (1.20) | 1986484-6 |
| 8 | 40.64 (1.60) | 1986484-8 |
| 9 | 45.72 (1.80) | 1986484-9 |
| 10 | 50.80 (2.00) | 1-1986484-0 |
| 12 | 60.96 (2.40) | 1-1986484-2 |

## TWO PIECE TERMINAL BLOCK - HIGH TEMPERATURE VERSION



### MECHANICAL

- PCB hole diameter: 1.3 mm Min.
- PCB Board Thickness: 1.6 mm Max.

### MATERIAL

- Housing: High Temp Polyamide, UL 94V-0
- Terminals: Brass; Finish: Leadfree tin-plated

### SOLDERING TECHNOLOGY

- **Soldering standard -** soldering process according to JEDEC J-STD-020
- **Process quality -** high-temperature resin can withst and 260°C peak for lead-free tin soldering process and are MSL 1 rated (Moisture Sensitivity Level 1) and immune to damages caused by humidity
- **Packaging -** Tape and Reel, Tube or Tray Packaging available on request for every part number.

### ENVIRONMENTAL

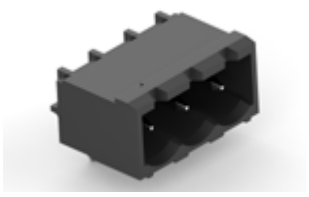
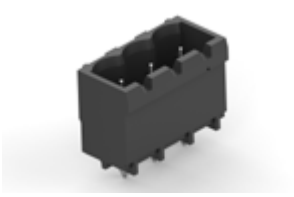
- **Operating Temp Range:** -40 °C - 105 °C (-40 °F - +221 °F)

### PRODUCT COMPLIANCE / APPROVALS

- RoHS Compliant
- UL approval: File No. E60677

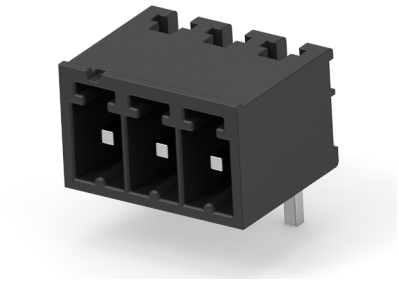
**Note:** Parts listed in this document are approved

### HEADER MOUNTING ANGLE TYPE TO PCB

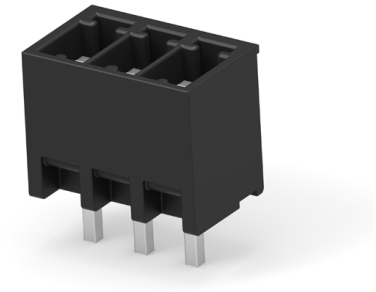
| 90° | 180° |
|---|---|
|  |  |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED ENDS - 3.5 mm PITCH

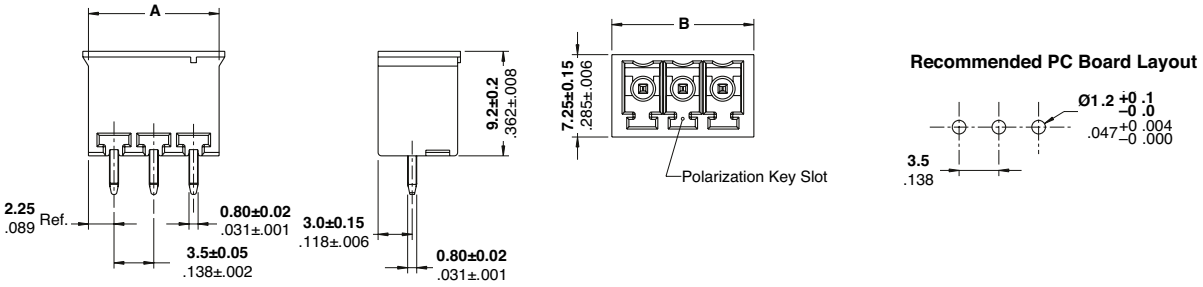
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

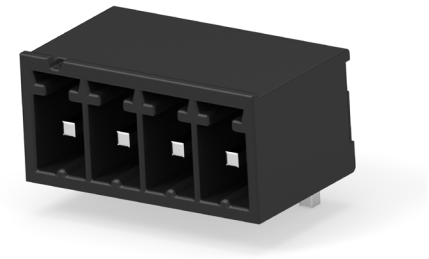



## PRODUCT INFORMATION

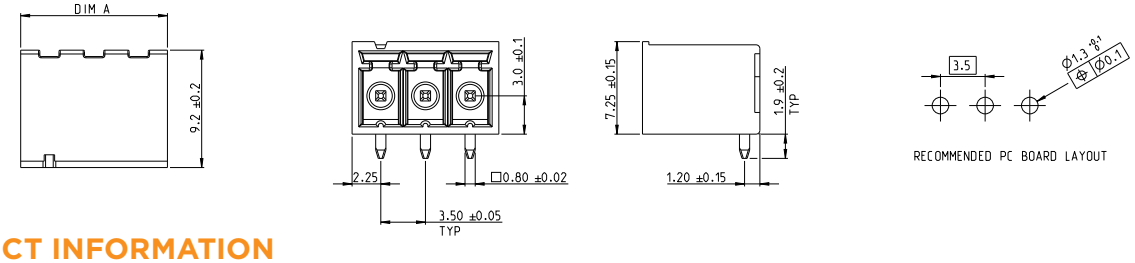
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 8.0 (0.315) | 3.4 (0.13) | 1776134-2 | - |
| 3 | 11.5 (0.453) | | 1776134-3 | - |
| 5 | 18.5 (0.728) | | 1776134-5 | - |
| 6 | 22.0 (0.866) | | 1776134-6 | 1776130-6 |
| 8 | 29.0 (1.142) | | 1776134-8 | 1776130-8 |
| 10 | 36.0 (1.417) | | 1-1776134-0 | - |
| 16 | 57.0 (2.244) | | 1-1776134-6 | - |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH TAIL LENGTH - 1.9 mm AND CLOSED ENDS - 3.5 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

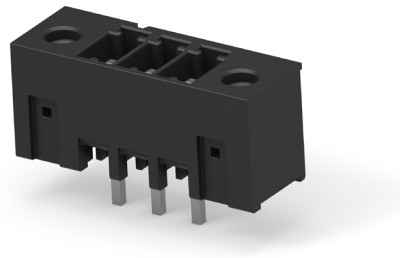



## PRODUCT INFORMATION

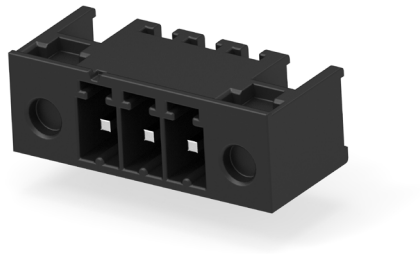
| No. of Positions | Dim. A mm(in) | Part Number |
|---|---|---|
| | | 90° |
| 2 | 8.0 (0.315) | 2342076-2 |
| 3 | 11.5 (0.453) | 2342076-3 |
| 4 | 15.0 (0.591) | 2342076-4 |
| 5 | 18.5 (0.728) | 2342076-5 |
| 6 | 22.0 (0.866) | 2342076-6 |
| 7 | 25.5 (1.004) | 2342076-7 |
| 8 | 29.0 (1.142) | 2342076-8 |
| 9 | 32.5 (1.279) | 2342076-9 |
| 10 | 36.0 (1.147) | 1-2342076-0 |
| 11 | 39.5 (1.555) | 1-2342076-1 |
| 12 | 43.0 (1.693) | 1-2342076-2 |
| 13 | 46.5 (1.831) | 1-2342076-3 |
| 14 | 50.0 (1.969) | 1-2342076-4 |
| 15 | 53.5 (2.106) | 1-2342076-5 |
| 16 | 57.0 (2.244) | 1-2342076-6 |
| 17 | 60.5 (2.382) | 1-2342076-7 |
| 18 | 64.0 (2.520) | 1-2342076-8 |
| 19 | 67.5 (2.657) | 1-2342076-9 |
| 20 | 71.0 (2.795) | 2-2342076-0 |
| 21 | 74.5 (2.933) | 2-2342076-1 |
| 22 | 78.0 (3.071) | 2-2342076-2 |
| 23 | 81.5 (3.208) | 2-2342076-3 |
| 24 | 85.0 (3.346) | 2-2342076-4 |
| 25 | 88.5 (3.484) | 2-2342076-5 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH SCREW FLANGES - 3.5 mm PITCH

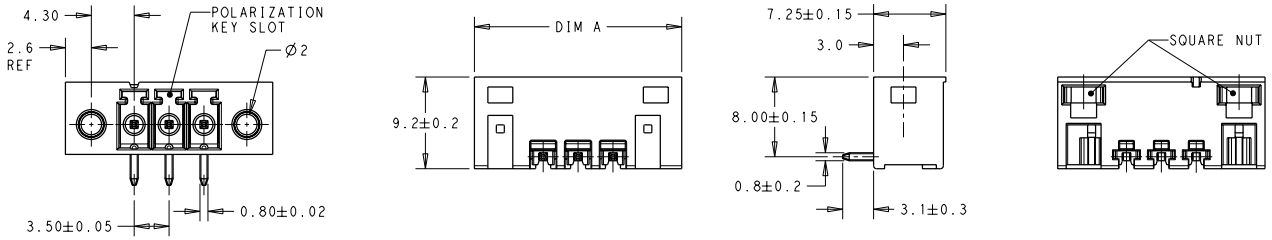
### RIGHT-ANGLE

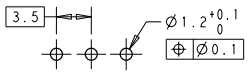


### VERTICAL



### Dimension [Unit: mm(in)]



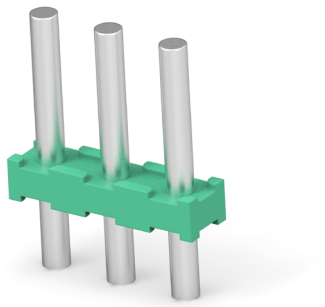

RECOMMENDED PC BOARD LAYOUT

## PRODUCT INFORMATION

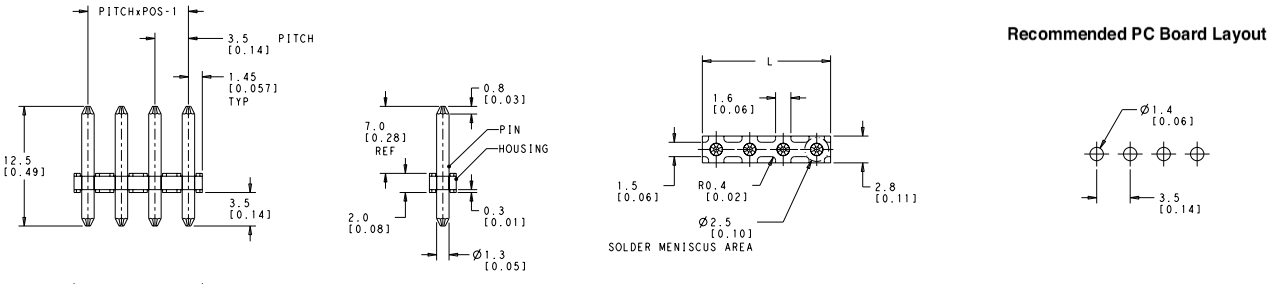
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 3.5 (0.138) | 1776136-2 | 1776132-2 |
| 3 | 7.0 (0.276) | 1776136-3 | 1776132-3 |
| 4 | 10.5 (0.413) | 1776136-4 | 1776132-4 |
| 5 | 14.0 (0.551) | 1776136-5 | 1776132-5 |
| 6 | 17.5 (0.689) | - | 1776132-6 |
| 7 | 21.0 (0.827) | - | 1776132-7 |
| 8 | 24.5 (0.965) | 1776136-8 | 1776132-8 |
| 9 | 28.0 (1.102) | - | 1776132-9 |
| 10 | 31.5 (1.240) | - | 1-1776132-0 |
| 11 | 35.0 (1.378) | - | 1-1776132-1 |
| 12 | 38.5 (1.516) | - | 1-1776132-2 |

## TWO-PIECE TERMINAL BLOCK, UNSHROUDED HEADER - 3.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

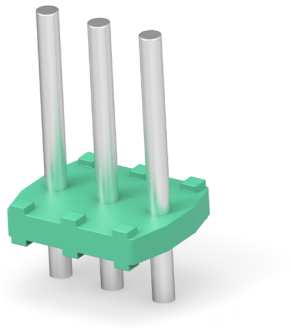



## PRODUCT INFORMATION

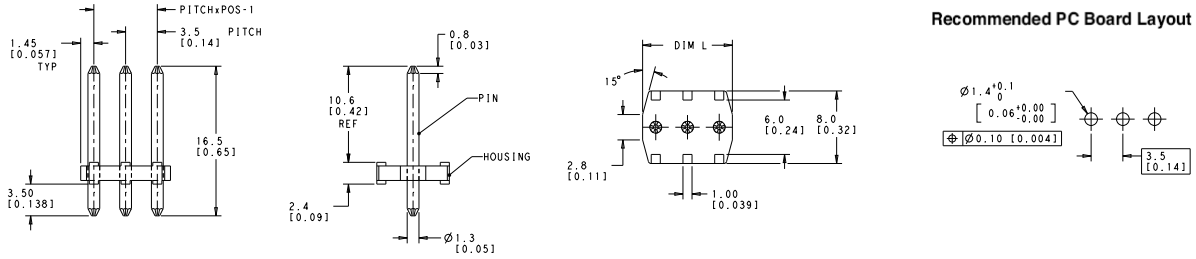
| No. of Positions | Dim. L mm(in) | Part Number |
|---|---|---|
| | | 180° |
| 2 | 6.40 (0.252) | 1986717-2 |
| 3 | 9.90 (0.390) | 1986717-3 |
| 4 | 13.40 (0.528) | 1986717-4 |
| 5 | 16.90 (0.665) | 1986717-5 |
| 6 | 20.40 (0.803) | 1986717-6 |
| 7 | 23.90 (0.941) | 1986717-7 |
| 8 | 27.40 (1.079) | 1986717-8 |

## TWO-PIECE TERMINAL BLOCK, UNSHROUDED HEADER WITH WIDE BASE - 3.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

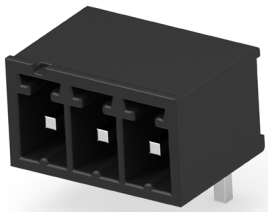



## PRODUCT INFORMATION

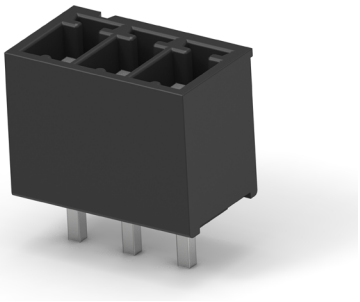
| No. of Positions | Dim. L mm(in) | Part Number |
|---|---|---|
| | | 180° |
| 2 | 6.40 (0.252) | 1986718-2 |
| 3 | 9.90 (0.390) | 1986718-3 |
| 4 | 13.40 (0.528) | 1986718-4 |
| 5 | 16.90 (0.665) | 1986718-5 |
| 6 | 20.40 (0.803) | 1986718-6 |
| 7 | 23.90 (0.941) | 1986718-7 |
| 8 | 27.40 (1.079) | 1986718-8 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSE ENDS - 3.81 mm PITCH

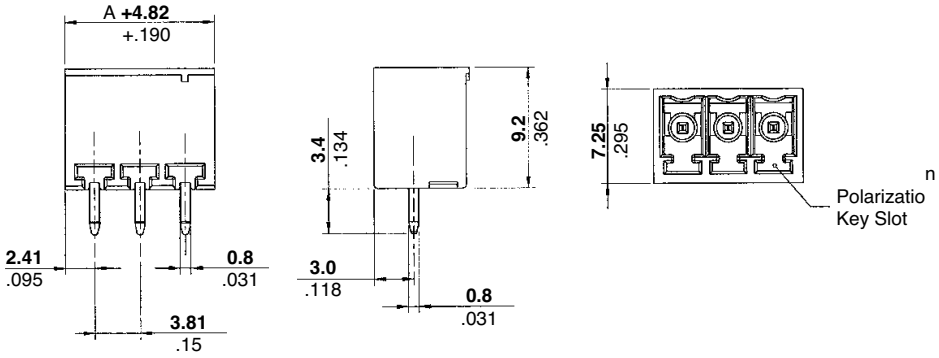
### RIGHT-ANGLE



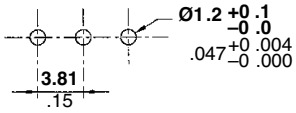
### VERTICAL



Dimension [Unit: mm(in)]




**Recommended PC Board Layout**

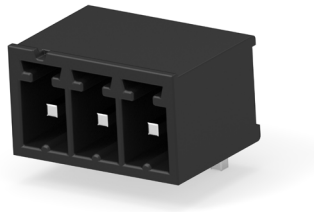



## PRODUCT INFORMATION

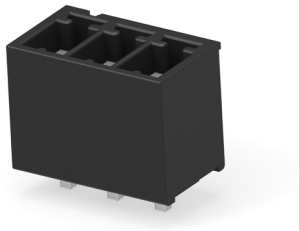
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 3.81 (0.15) | 1776135-2 | 1776131-2 |
| 3 | 7.62 (0.30) | 1776135-3 | 1776131-3 |
| 5 | 15.24 (0.60) | 1776135-5 | 1776131-5 |
| 6 | 19.05 (0.75) | - | 1776131-6 |
| 8 | 26.67 (1.05) | 1776135-8 | 1776131-8 |
| 10 | 34.29 (1.35) | - | 1-1776131-0 |
| 12 | 41.91 (1.65) | 1-1776135-2 | - |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH TAIL LENGTH - 1.9 mm AND CLOSED ENDS - 3.81 mm PITCH

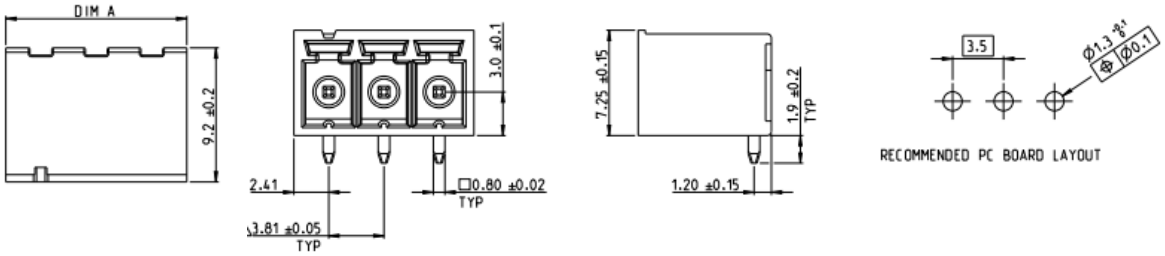
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

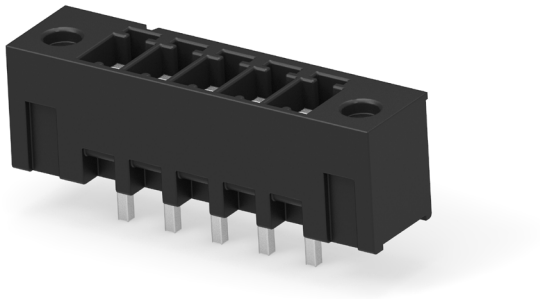



## PRODUCT INFORMATION

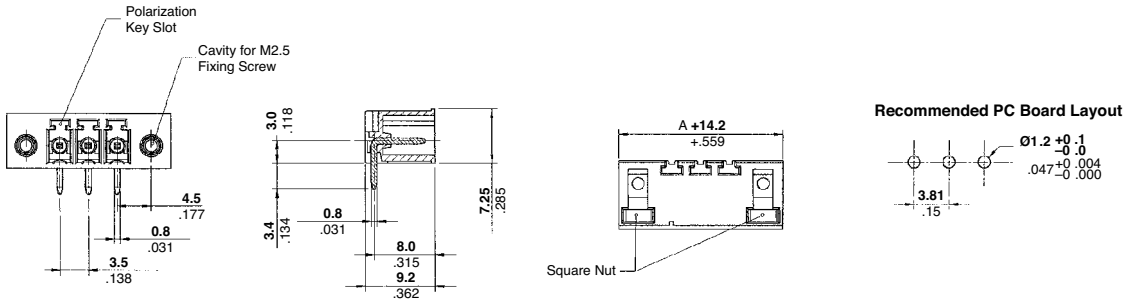
| No. of Positions | Dim. A mm(in) | Part Numbers | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 8.62 (0.34) | 2342077-2 | 2342078-2 |
| 3 | 12.43 (0.49) | 2342077-3 | 2342078-3 |
| 4 | 16.24 (0.64) | 2342077-4 | 2342078-4 |
| 5 | 20.05 (0.79) | 2342077-5 | 2342078-5 |
| 6 | 23.86 (0.94) | 2342077-6 | 2342078-6 |
| 7 | 27.67 (1.09) | 2342077-7 | 2342078-7 |
| 8 | 31.48 (1.24) | 2342077-8 | 2342078-8 |
| 9 | 35.29 (1.39) | 2342077-9 | 2342078-9 |
| 10 | 39.1 (1.54) | 1-2342077-0 | 1-2342078-0 |
| 11 | 42.91 (1.69) | 1-2342077-1 | 1-2342078-1 |
| 12 | 46.72 (1.84) | 1-2342077-2 | 1-2342078-2 |
| 13 | 50.53 (1.99) | 1-2342077-3 | 1-2342078-3 |
| 14 | 54.34 (2.14) | 1-2342077-4 | 1-2342078-4 |
| 15 | 58.15 (2.29) | 1-2342077-5 | 1-2342078-5 |
| 16 | 61.96 (2.44) | 1-2342077-6 | 1-2342078-6 |
| 17 | 65.77 (2.59) | 1-2342077-7 | 1-2342078-7 |
| 18 | 69.58 (2.74) | 1-2342077-8 | 1-2342078-8 |
| 19 | 73.39 (2.89) | 1-2342077-9 | 1-2342078-9 |
| 20 | 77.2 (3.04) | 2-2342077-0 | 2-2342078-0 |
| 21 | 81.01 (3.19) | 2-2342077-1 | 2-2342078-1 |
| 22 | 84.82 (3.34) | 2-2342077-2 | 2-2342078-2 |
| 23 | 88.63 (3.49) | 2-2342077-3 | 2-2342078-3 |
| 24 | 92.44 (3.64) | 2-2342077-4 | 2-2342078-4 |
| 25 | 96.25(3.79) | 2-2342077-5 | 2-2342078-5 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH SCREW FLANGES - 3.81 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

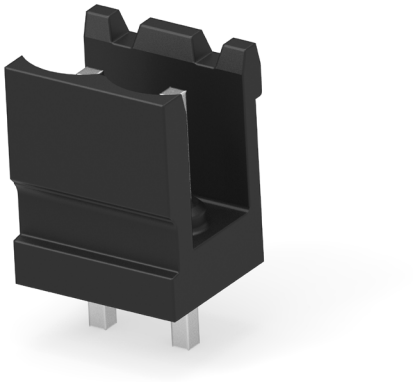



## PRODUCT INFORMATION

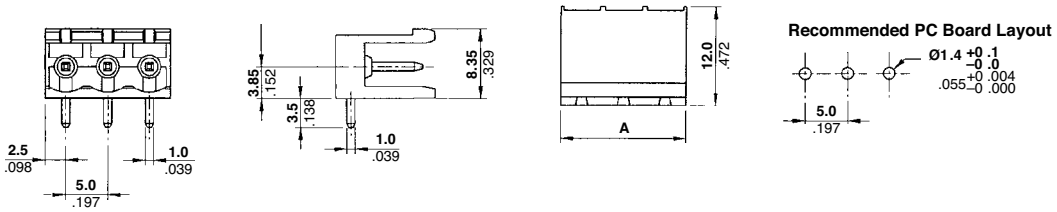
| No. of Positions | Dim. A mm(in) | Part Number |
|---|---|---|
| | | 180° |
| 5 | 15.24 (0.60) | 1776133-5 |
| 10 | 34.29 (1.35) | 1-1776133-0 |

## TWO-PIECE TERMINAL BLOCK, STACKABLE HEADER WITH OPEN ENDS - 5.0 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

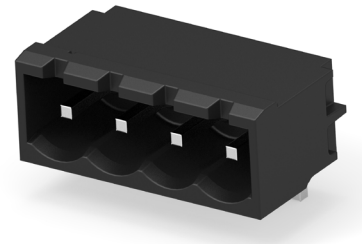



## PRODUCT INFORMATION

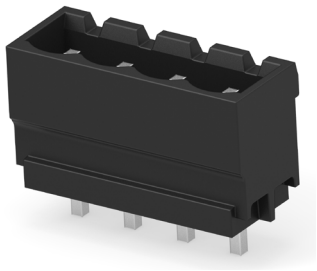
| No. of Positions | Dim. A mm(in) | Part Number |
|---|---|---|
| | | 180° |
| 2 | 10.0 (0.394) | 1776138-2 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED ENDS - 5.0 mm PITCH

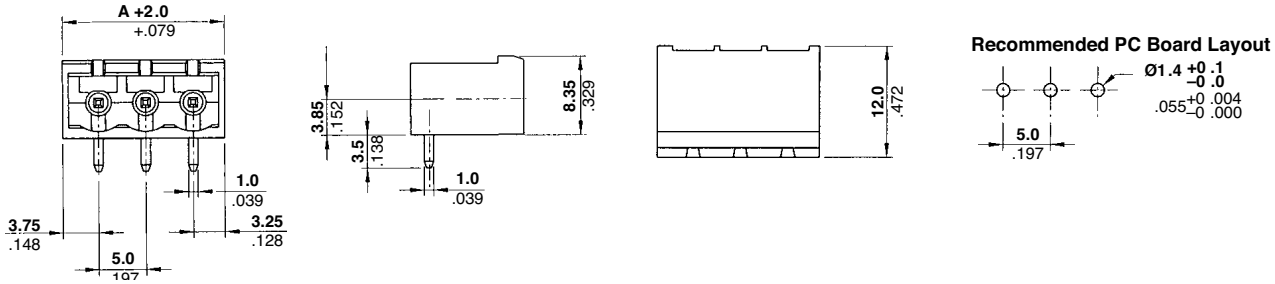
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

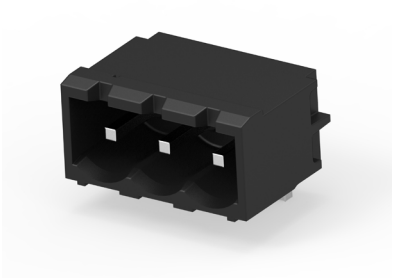



## PRODUCT INFORMATION

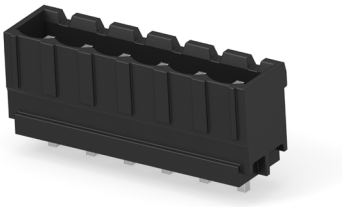
| No. of Positions | Dim. A mm(in) | Part Number | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 11.8 (0.46) | - | 1776146-2 |
| 4 | 21.8 (0.86) | 1776148-4 | 1776146-4 |
| 5 | 26.8 (1.06) | 1776148-5 | - |
| 8 | 41.8 (1.65) | 1776148-8 | - |
| 3 | 16.8 (0.66) | 2-1776148-3 | - |

# TWO-PIECE TERMINAL BLOCK, HEADER WITH TAIL LENGTH - 2.6 mm AND CLOSED ENDS - 5.0 mm PITCH

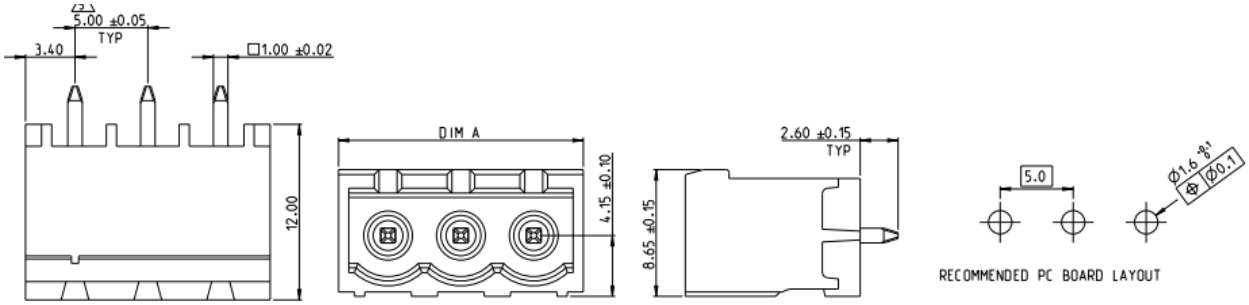
## RIGHT-ANGLE



## VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Number | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 11.8 (0.46) | 2342082-2 | 2342079-2 |
| 3 | 16.8 (0.66) | 2342082-3 | 2342079-3 |
| 4 | 21.8 (0.86) | 2342082-4 | 2342079-4 |
| 5 | 26.8 (1.06) | 2342082-5 | 2342079-5 |
| 6 | 31.8 (1.25) | 2342082-6 | 2342079-6 |
| 7 | 36.8 (1.45) | 2342082-7 | 2342079-7 |
| 8 | 41.8 (1.65) | 2342082-8 | 2342079-8 |
| 9 | 46.8 (1.84) | 2342082-9 | 2342079-9 |
| 10 | 51.8 (2.04) | 1-2342082-0 | 1-2342079-0 |
| 11 | 56.8 (2.24) | 1-2342082-1 | 1-2342079-1 |
| 12 | 61.8 (2.43) | 1-2342082-2 | 1-2342079-2 |
| 13 | 66.8 (2.63) | 1-2342082-3 | 1-2342079-3 |
| 14 | 71.8 (2.83) | 1-2342082-4 | 1-2342079-4 |
| 15 | 76.8 (3.02) | 1-2342082-5 | 1-2342079-5 |
| 16 | 81.8 (3.22) | 1-2342082-6 | 1-2342079-6 |
| 17 | 86.8 (3.42) | 1-2342082-7 | 1-2342079-7 |
| 18 | 91.8 (3.61) | 1-2342082-8 | 1-2342079-8 |
| 19 | 96.8 (3.81) | 1-2342082-9 | 1-2342079-9 |
| 20 | 101.8 (4.01) | 2-2342082-0 | - |

## TWO-PIECE TERMINAL BLOCK, MULTI - LEVEL HEADER WITH CLOSED ENDS - 5.0 mm PITCH

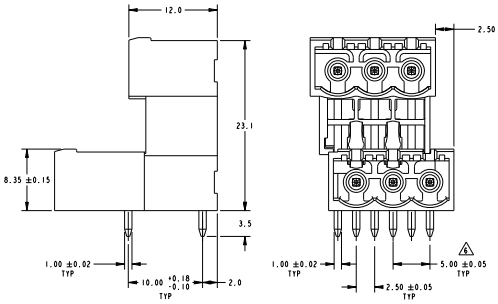
### RIGHT-ANGLE

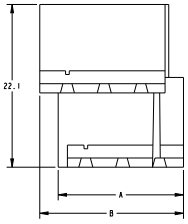


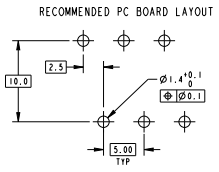
### VERTICAL



Dimension [Unit: mm(in)]



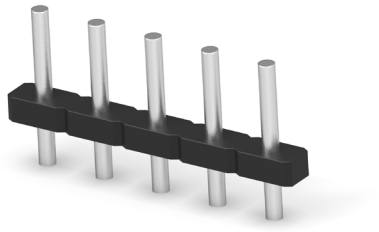




## PRODUCT INFORMATION

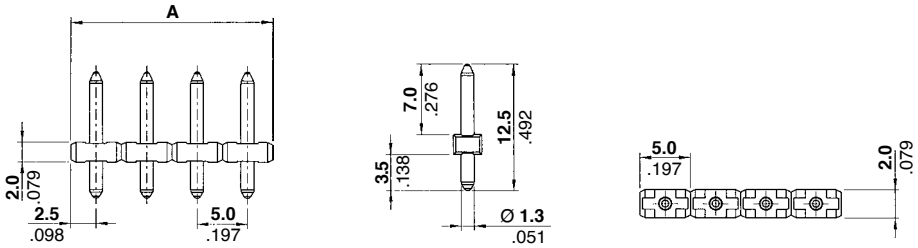
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Number | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 12 (0.47) | 14.50 (0.57) | 1776166-2 | - |
| 3 | 17 (0.67) | 19.50 (0.77) | 1776166-3 | 1776164-3 |
| 4 | 22 (0.87) | 24.50 (0.96) | 1776166-4 | - |
| 5 | 27 (1.06) | 24.50 (0.96) | 1776166-5 | - |
| 6 | 32 (1.26) | 34.50 (1.36) | 1776166-6 | - |

## TWO-PIECE TERMINAL BLOCK, UNSHROUDED HEADER - 5.0 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

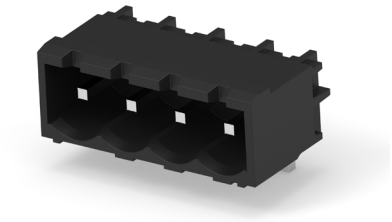



## PRODUCT INFORMATION

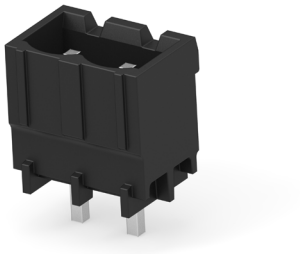
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 10 (0.39) | 1546931-2 |
| 3 | 15 (0.59) | 1546931-3 |
| 4 | 20 (0.79) | 1546931-4 |
| 5 | 25 (0.98) | 1546931-5 |
| 6 | 30 (1.18) | 1546931-6 |
| 7 | 35.0 (1.38) | 1546931-7 |
| 8 | 40 (1.57) | 1546931-8 |
| 10 | 50 (1.97) | 1-1546931-0 |
| 12 | 60 (2.36) | 1-1546931-2 |
| 22 | 110 (4.33) | 2-1546931-2 |
| 24 | 120 (4.72) | 2-1546931-4 |
| 25 | 125 (4.92) | 2-1546931-5 |
| 4 | 20 (0.79) | 2-1546931-8 |
| 5 | 25 (0.98) | 2-1546931-9 |
| 2 | 10 (0.39) | 3-1546931-1 |
| 3 | 15 (0.59) | 3-1546931-2 |
| 6 | 30 (1.18) | 3-1546931-7 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED ENDS - 5.08 mm PITCH

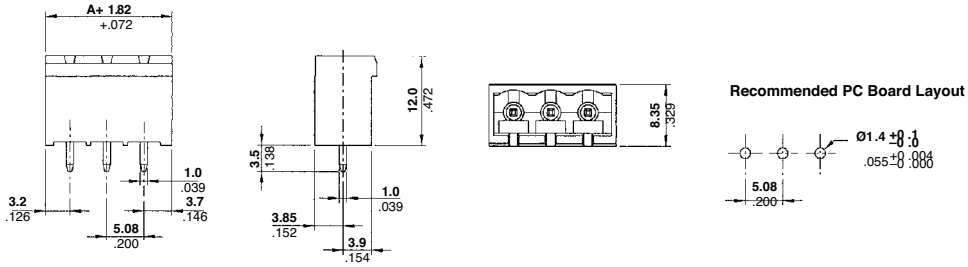
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

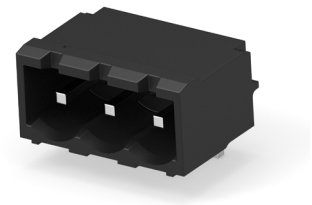



## PRODUCT INFORMATION

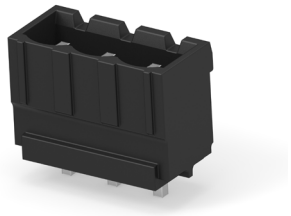
| No. of Positions | Dim. A mm(in) | Part Number | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 10.16 (0.40) | 1776038-4 | 1776147-2 |
| 4 | 20.32 (0.80) | 1776038-5 | 1776147-4 |
| 6 | 30.48 (1.20) | 1776038-6 | 1776147-6 |
| 8 | 40.64 (1.60) | 1776038-8 | - |

# TWO-PIECE TERMINAL BLOCK, HEADER WITH TAIL LENGTH - 2.6 mm AND CLOSED ENDS - 5.08 mm PITCH

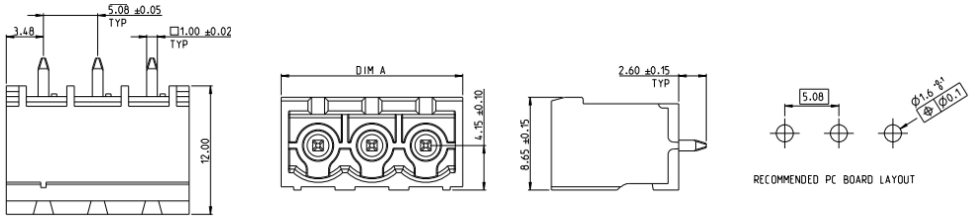
## RIGHT-ANGLE



## VERTICAL



Dimension [Unit: mm(in)]

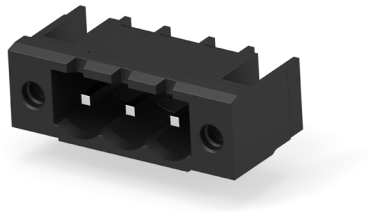



## PRODUCT INFORMATION

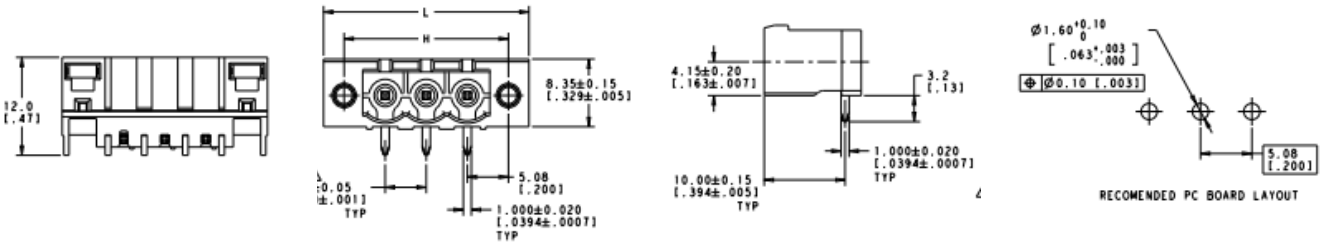
| No. of Positions | Dim. A mm(in) | Part Number | |
|---|---|---|---|
| | | 90° | 180° |
| 2 | 12.04 (0.47) | 2342083-2 | 2342084-2 |
| 3 | 17.12 (0.67) | 2342083-3 | 2342084-3 |
| 4 | 22.20 (0.87) | 2342083-4 | 2342084-4 |
| 5 | 27.28 (1.07) | 2342083-5 | 2342084-5 |
| 6 | 32.36 (1.27) | 2342083-6 | 2342084-6 |
| 7 | 37.44 (1.47) | 2342083-7 | 2342084-7 |
| 8 | 42.52 (1.67) | 2342083-8 | 2342084-8 |
| 9 | 47.60 (1.87) | 2342083-9 | 2342084-9 |
| 10 | 52.68 (2.07) | 1-2342083-0 | 1-2342084-0 |
| 11 | 57.76 (2.27) | 1-2342083-1 | 1-2342084-1 |
| 12 | 62.84 (2.47) | 1-2342083-2 | 1-2342084-2 |
| 13 | 67.92 (2.67) | 1-2342083-3 | 1-2342084-3 |
| 14 | 73.00 (2.87) | 1-2342083-4 | 1-2342084-4 |
| 15 | 78.08 (3.07) | 1-2342083-5 | 1-2342084-5 |
| 16 | 83.16 (3.27) | 1-2342083-6 | 1-2342084-6 |
| 17 | 88.24 (3.47) | 1-2342083-7 | 1-2342084-7 |
| 18 | 93.32 (3.67) | 1-2342083-8 | 1-2342084-8 |
| 19 | 98.40 (3.87) | 1-2342083-9 | 1-2342084-9 |
| 20 | 103.48 (4.07) | 2-2342083-0 | 2-2342084-0 |
| 21 | 108.56 (4.27) | 2-2342083-1 | 2-2342084-1 |
| 22 | 113.64 (4.47) | 2-2342083-2 | 2-2342084-2 |
| 23 | 118.72 (4.67) | 2-2342083-3 | 2-2342084-3 |
| 24 | 123.80 (4.87) | 2-2342083-4 | 2-2342084-4 |
| 25 | 128.88 (5.07) | 2-2342083-5 | 2-2342084-5 |
| 3 | 17.20 (0.68) | - | 5-2342084-3 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH SCREW FLANGE - 5.08 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

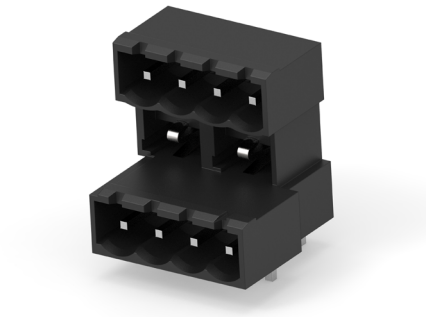



## PRODUCT INFORMATION

| No. of Positions | Dim. L mm(in) | Dim. H mm(in) | Part Number |
|---|---|---|---|
| | | | 90° |
| 3 | 25.32 (0.996) | 20.32 (0.800) | 1986766-3 |

## TWO-PIECE TERMINAL BLOCK, MULTILEVEL HEADER WITH CLOSED ENDS - 5.08 mm PITCH

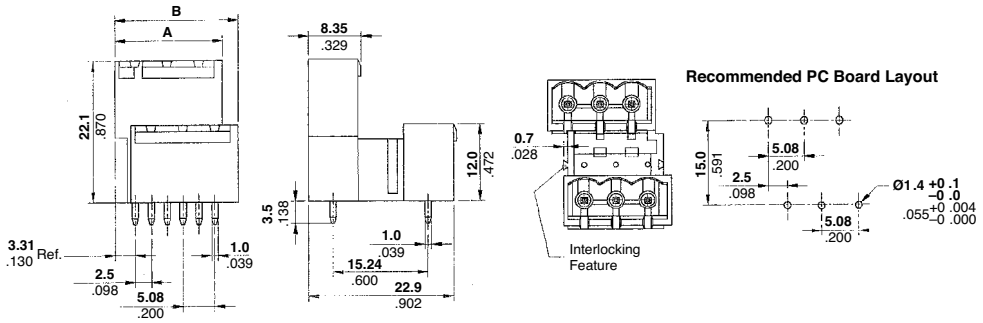
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

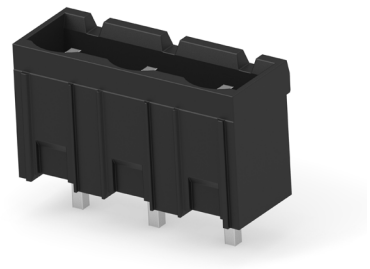



## PRODUCT INFORMATION

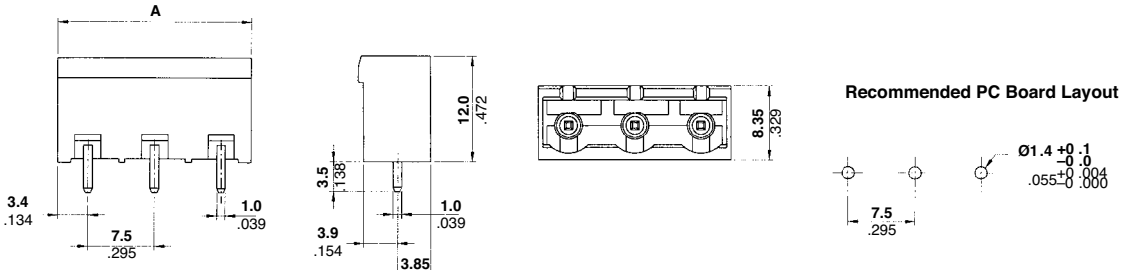
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 3 | 17.28 (0.68) | 19.50 (0.77) | 1776167-3 | - |
| 4 | 22.36 (0.88) | 24.66 (0.97) | 1776167-4 | - |
| 6 | 32.52 (1.28) | 34.74 (1.37) | - | 1776165-6 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED ENDS - 7.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

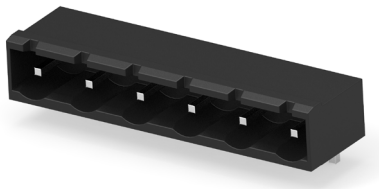



## PRODUCT INFORMATION

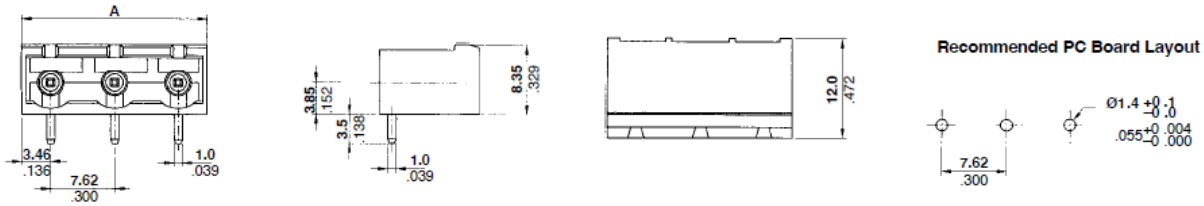
| No. of Positions | Dim. A mm(in) | Part Number |
|---|---|---|
| | | 180° |
| 3 | 20.32 (0.80) | 1776153-3 |
| 4 | 25.40 (1.00) | 1776153-4 |
| 6 | 30.48 (1.20) | 1776153-6 |

## TWO-PIECE TERMINAL BLOCK, HEADER WITH CLOSED ENDS - 7.62 mm PITCH

### RIGHT-ANGLE



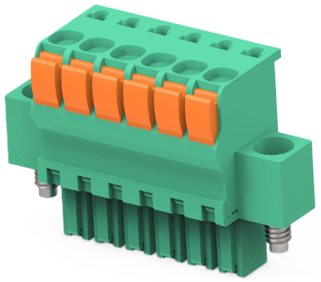
Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Number |
|---|---|---|
| | | 90° |
| 2 | 14.44 (0.568) | 1776155-2 |
| 3 | 22.06 (0.868) | 1776155-3 |
| 6 | 44.92 (1.768) | 1776155-6 |

## SPRING TYPE TERMINAL BLOCK PLUG



TE's range of spring type plugs provide a quick and easy way for installers in the field to mate wires without the use of special tools. TEs comprehensive solutions, including left and right hand spring type plugs, clamp wires in quickly and so save both time and labor for a multitude of control and power wiring applications.

Furthermore, multiple wire access angles offer space savings as they allow for additional configurations and provide flexibility in the design of board layouts in tight spaces. The spring type plugs are available with and without flanges, which adds the benefit of saving space by stacking them end to end. The plugs mate to industry standard open and closed end headers on the same centerline spacing, but are also available in multiple colors and custom marking.

The spring type plugs are available with and without flanges, which adds the benefit of saving space by stacking them end to end. The plugs mate to industry standard open and closed end headers on the same centerline spacing, but are also available in multiple colors and custom marking.

### MECHANICAL

- Insertion Force per pole 3 N max
- Withdrawal force per pole 1.5 N min
- Stripping Length 10.5 – 11.5 mm
- Operating temperature range -40˚C to +110˚C

### ELECTRICAL

- Wire range 14-30 solid and stranded
- 300 V, 11 A for stranded and 9 A for solid wire per UL
- UL File E60677

### MATERIALS

- Clamping Spring steel
- Housing 94V0 rated Polyamide
- Terminals lead-free tin plated copper alloy
- Locking screws brass

### STANDARDS AND SPECIFICATIONS

- Approved to UL 1059

### PRODUCT DIMENSIONS

- Plug: Height 20.75 mm, Width 11.65 mm, Length dependent on number of positions
- Plug with Mounting Flanges: Height 20.75 mm, Width 11.65 mm, Length dependent on number of positions

### KEY FEATURES

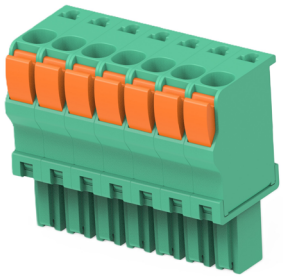
- Multiple wire access angles (90˚ & 270˚) to header interface
- Mates with industry standard headers on the same centerline spacing
- Fast wire connections
- Custom marking and printing available
- Plugs w/o mounting flanges are end to end stackable
- Available in additional colors

### APPLICATIONS

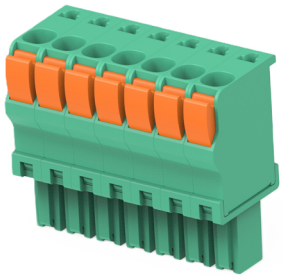
- Wire-to-board applications requiring field wiring termination
- Industrial Controls: control and power wiring
- HVAC Controls: control and power wiring
- Applications subject to certain types of vibrations

## SPRING TYPE TERMINAL BLOCK PLUG, SIDE STACKABLE - 3.5 mm PITCH

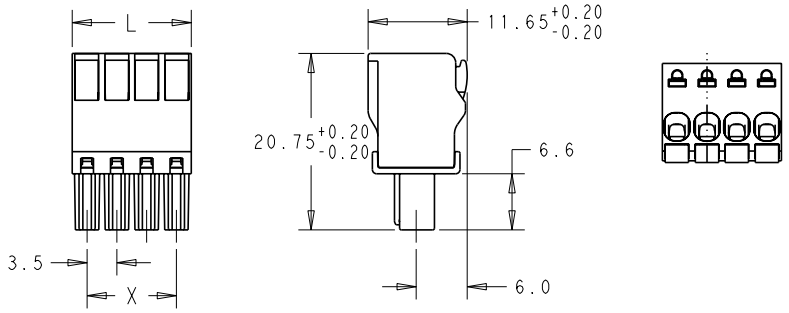
### RIGHT-HAND



### LEFT-HAND



Dimension [Unit: mm(in)]

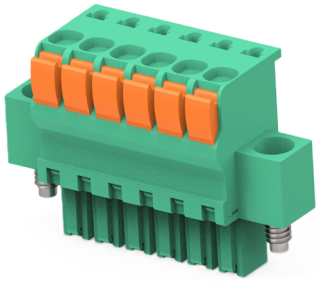



## PRODUCT INFORMATION

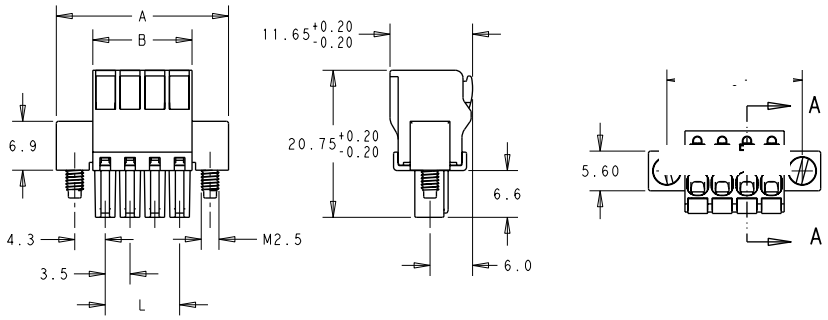
| No. of Positions | Dim. L mm(in) | Dim. X mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 180° | 180° |
| 2 | 7.0 (0.28) | 3.5 (0.14) | 1986692-2 | 1986693-2 |
| 3 | 10.5 (0.41) | 7.0 (0.28) | 1986692-3 | 1986693-3 |
| 4 | 14.0 (0.55) | 10.5 (0.41) | 1986692-4 | 1986693-4 |
| 5 | 17.5 (0.69) | 14.0 (0.55) | 1986692-5 | 1986693-5 |
| 6 | 21.0 (0.83) | 17.5 (0.69) | 1986692-6 | 1986693-6 |
| 7 | 24.5 (0.96) | 21.0 (0.83) | 1986692-7 | 1986693-7 |
| 8 | 28.0 (1.10) | 24.5 (0.96) | 1986692-8 | 1986693-8 |
| 9 | 31.5 (1.24) | 28.0 (1.10) | 1986692-9 | 1986693-9 |
| 10 | 35.0 (1.38) | 31.5 (1.24) | 1-1986692-0 | 1-1986693-0 |
| 11 | 38.5 (1.52) | 35.0 (1.38) | 1-1986692-1 | 1-1986693-1 |
| 12 | 42.0 (1.65) | 38.5 (1.52) | 1-1986692-2 | 1-1986693-2 |
| 14 | 49.0 (1.93) | 45.5 (1.79) | 1-1986692-4 | 1-1986693-4 |
| 15 | 52.5 (2.07) | 49.0 (1.93) | 1-1986692-5 | - |
| 16 | 56.0 (2.20) | 52.5 (2.07) | 1-1986692-6 | 1-1986693-6 |
| 18 | 63.0 (2.48) | 59.5 (2.34) | 1-1986692-8 | 1-1986693-8 |
| 20 | 70.0 (2.76) | 66.5 (2.62) | 2-1986692-0 | 2-1986693-0 |
| 24 | 84.0 (3.31) | 80.5 (3.17) | 2-1986692-4 | 2-1986693-4 |

## SPRING TYPE TERMINAL BLOCK PLUG, WITH FLANGE - 3.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

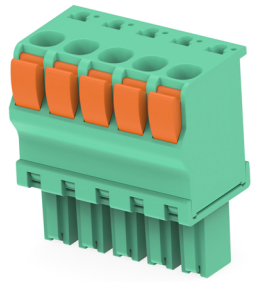



## PRODUCT INFORMATION

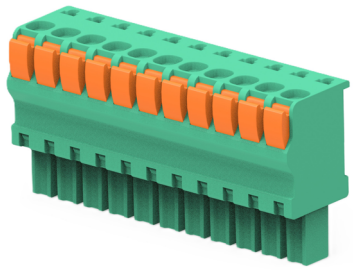
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Dim. L mm(in) | Part Numbers |
|---|---|---|---|---|
| | | | | 180° |
| 2 | 17.3 (0.68) | 7.0 (0.28) | 3.5 (0.14) | 1986723-2 |
| 3 | 20.8 (0.82) | 10.5 (0.41) | 7.0 (0.28) | 1986723-3 |
| 4 | 24.3 (0.96) | 14.0 (0.55) | 10.5 (0.41) | 1986723-4 |
| 5 | 27.8 (1.09) | 17.5 (0.69) | 14.0 (0.55) | 1986723-5 |
| 6 | 31.3 (1.23) | 21.0 (0.83) | 17.5 (0.69) | 1986723-6 |
| 7 | 34.8 (1.37) | 24.5 (0.96) | 21.0 (0.83) | 1986723-7 |
| 8 | 38.3 (1.51) | 28.0 (1.10) | 24.5 (0.96) | 1986723-8 |
| 9 | 41.8 (1.65) | 31.5 (1.24) | 28.0 (1.10) | 1986723-9 |
| 10 | 45.3 (1.78) | 35.0 (1.38) | 31.5 (1.24) | 1-1986723-0 |
| 11 | 48.8 (1.92) | 38.5 (1.52) | 35.0 (1.38) | 1-1986723-1 |
| 12 | 52.3 (2.06) | 42.0 (1.65) | 38.5 (1.52) | 1-1986723-2 |
| 14 | 59.3 (2.33) | 49.0 (1.93) | 45.5 (1.79) | 1-1986723-4 |
| 16 | 66.3 (2.61) | 56.0 (2.20) | 52.5 (2.07) | 1-1986723-6 |
| 18 | 73.3 (2.89) | 63.0 (2.48) | 59.5 (2.34) | 1-1986723-8 |
| 20 | 80.3 (3.16) | 70.0 (2.76) | 66.5 (2.62) | 2-1986723-0 |

## SPRING TYPE TERMINAL BLOCK PLUG, SIDE STACKABLE - 3.81 mm PITCH

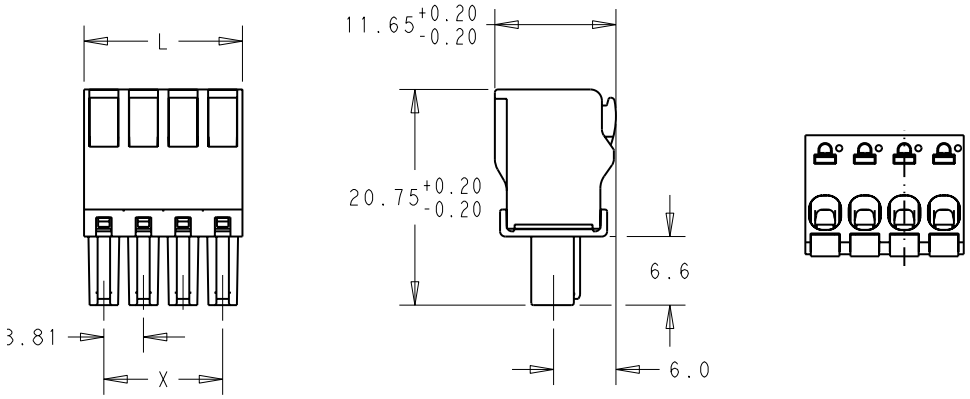
### RIGHT-HAND



### LEFT-HAND



Dimension [Unit: mm(in)]

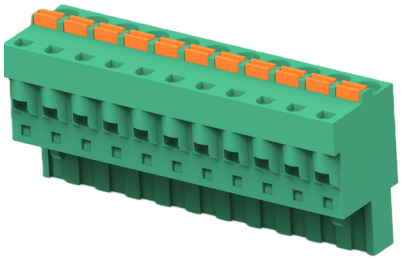



## PRODUCT INFORMATION

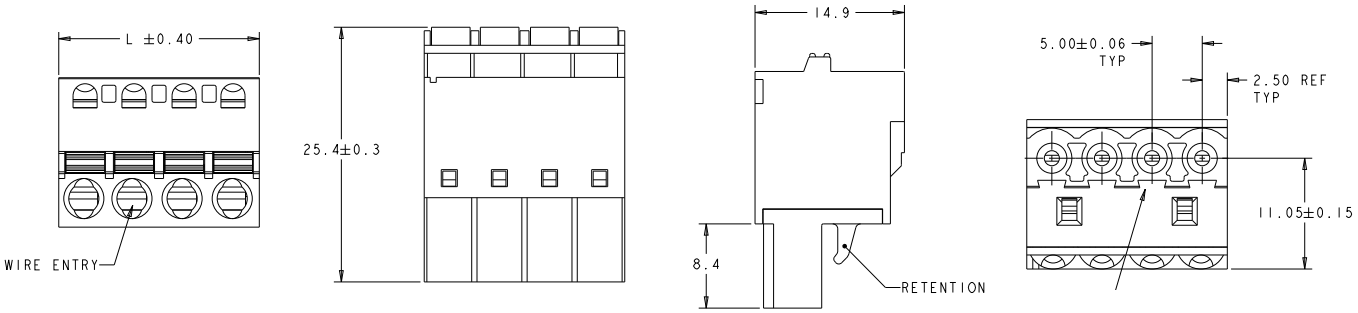
| No. of Positions | Dim. L mm(in) | Dim. X mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 180° | 180° |
| 2 | 7.62 (0.30) | 3.81 (0.15) | 1986722-2 | 1986720-2 |
| 3 | 11.43 (0.45) | 7.62 (0.30) | 1986722-3 | 1986720-3 |
| 4 | 15.24 (0.60) | 11.43 (0.45) | 1986722-4 | 1986720-4 |
| 5 | 19.05 (0.75) | 15.24 (0.60) | 1986722-5 | 1986720-5 |
| 6 | 22.86 (0.90) | 19.05 (0.75) | 1986722-6 | 1986720-6 |
| 7 | 26.67 (1.05) | 22.86 (0.90) | 1986722-7 | 1986720-7 |
| 8 | 30.48 (1.20) | 26.67 (1.05) | 1986722-8 | 1986720-8 |
| 9 | 34.29 (1.35) | 30.48 (1.20) | 1986722-9 | - |
| 10 | 38.10 (1.50) | 34.29 (1.35) | 1-1986722-0 | 1-1986720-0 |
| 11 | 41.91 (1.65) | 38.10 (1.50) | 1-1986722-1 | - |
| 12 | 45.72 (1.80) | 41.91 (1.65) | 1-1986722-2 | 1-1986720-2 |
| 14 | 53.34 (2.10) | 49.53 (1.95) | 1-1986722-4 | - |
| 16 | 60.96 (2.40) | 57.15 (2.25) | 1-1986722-6 | - |
| 17 | 64.77 (2.55) | 60.96 (2.40) | - | 1-1986720-7 |
| 18 | 68.58 (2.70) | 64.77 (2.55) | 1-1986722-8 | - |
| 20 | 76.20 (3.00) | 72.39 (2.85) | 2-1986722-0 | - |
| 24 | 91.44 (3.60) | 87.63 (3.45) | 2-1986722-4 | - |

## SPRING TYPE TERMINAL BLOCK PLUG - 5.0 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

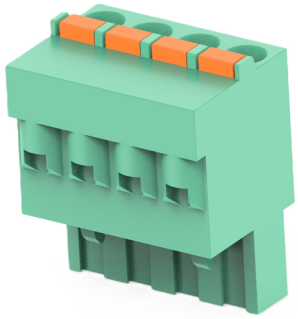



## PRODUCT INFORMATION

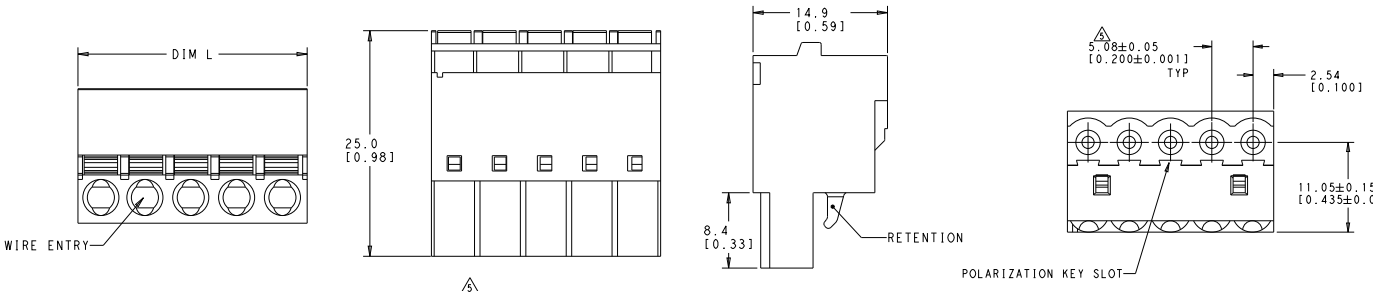
| No. of Positions | Dim. L mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 10.0 (0.39) | 1546557-2 |
| 3 | 15.0 (0.59) | 1546557-3 |
| 4 | 20.0 (0.79) | 1546557-4 |
| 5 | 25.0 (0.98) | 1546557-5 |
| 6 | 30.0 (1.18) | 1546557-6 |
| 7 | 35.0 (1.38) | 1546557-7 |
| 8 | 40.0 (1.57) | 1546557-8 |
| 9 | 45.0 (1.77) | 1546557-9 |
| 10 | 50.0 (1.97) | 1-1546557-0 |
| 11 | 55.0 (2.17) | 1-1546557-1 |
| 12 | 60.0 (2.36) | 1-1546557-2 |

## SPRING TYPE TERMINAL BLOCK PLUG - 5.08 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

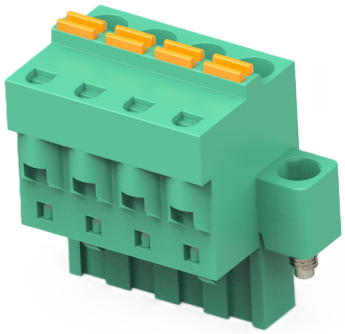



## PRODUCT INFORMATION

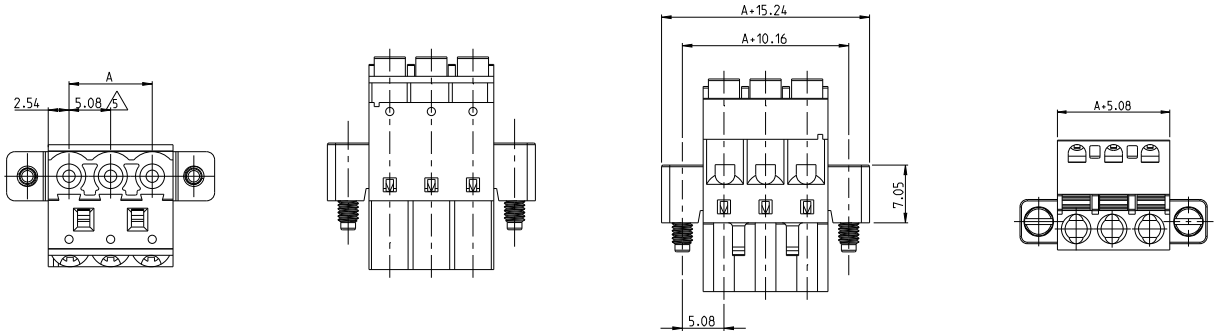
| No. of Positions | Dim. L mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2 | 20.32 (0.80) | 1986262-2 |
| 3 | 15.24 (0.60) | 1986262-3 |
| 4 | 10.16 (0.40) | 1986262-4 |
| 6 | 30.48 (1.20) | 1986262-6 |
| 8 | 45.72 (1.80) | 1986262-8 |
| 9 | 40.64 (1.600) | 1986262-9 |
| 10 | 50.80 (2.00) | 1-1986262-0 |
| 12 | 60.96 (2.40) | 1-1986262-2 |

## SPRING TYPE TERMINAL BLOCK PLUG, WITH FLANGE - 5.08 mm PITCH

### VERTICAL



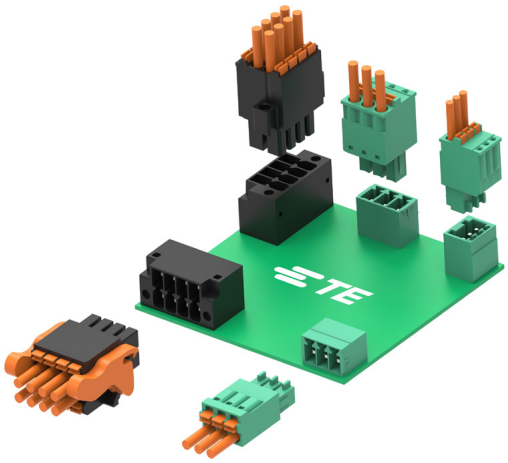
Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 3 | 10.16 (0.40) | 1986830-3 |
| 4 | 15.24 (0.60) | 1986830-4 |
| 6 | 25.4 (1.00) | 1986830-6 |
| 8 | 35.56 (1.40) | 1986830-8 |
| 18 | 86.36 (3.40) | 1-1986830-8 |

## PUSH-IN TERMINAL BLOCKS



Push-in terminal blocks offer a modern, efficient solution for PCB connectivity, enabling fast and reliable wire termination without the need for tools. Designed to accept both ferruled and unferruled wires, push-in clamp technology significantly reduces installation time—by up to 80% compared to traditional screw-clamp connections—resulting in substantial labor and cost savings. Available in multiple pitches such as 2.5 mm, 3.5 mm, 3.81 mm, 5.0 mm and 5.08 mm these terminal blocks typically feature two-piece plug connectors with straight or right-angle shrouded headers, providing flexibility for high-density signal and power applications. The secure, vibration-resistant connection improves reliability while minimizing maintenance and downtime, making push-in terminal blocks ideal for control systems, industrial equipment, and demanding environments.

### APPLICATIONS

- Servo / Inverter drives
- Industrial controls / PLC (Programmable Logic Controller)
- Safety controls / modules
- Power supply units
- HVAC (Heating Ventilation Air Conditioning)

### FEATURE

- Centerline:
  - 2.5 mm / 0.098 inches
  - 3.5 mm / 0.138 inches
  - 3.81 mm / 0.15 inches
  - 5.0 mm / 0.197 inches
  - 5.08 mm / 0.2 inches
- Connector Size: Single row, Dual row

### BENEFITS

- Push-in clamp termination leads to reduced labor costs because of the shorter wiring time
- Design flexibility from various pitches and number of positions supports use in a wide range of applications, including harsh environments
- Maintenance reduced push-in clamp technology limits downtime and provides reliability of manufacturing process equipment and control devices

### MATERIALS

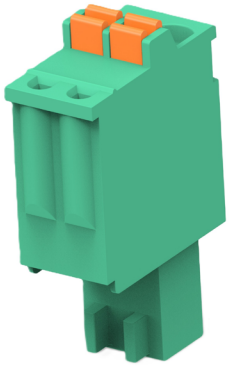
- Housing: Polyamide, UL94 V0, green/black;
  Headers housing (HT) – LCP UL V0
- Terminals: Copper Alloy, Tin Plated
- Push Button: POM (Polyoxymethylene), UL94 HB, Orange
- Spring: Steel

### STANDARD

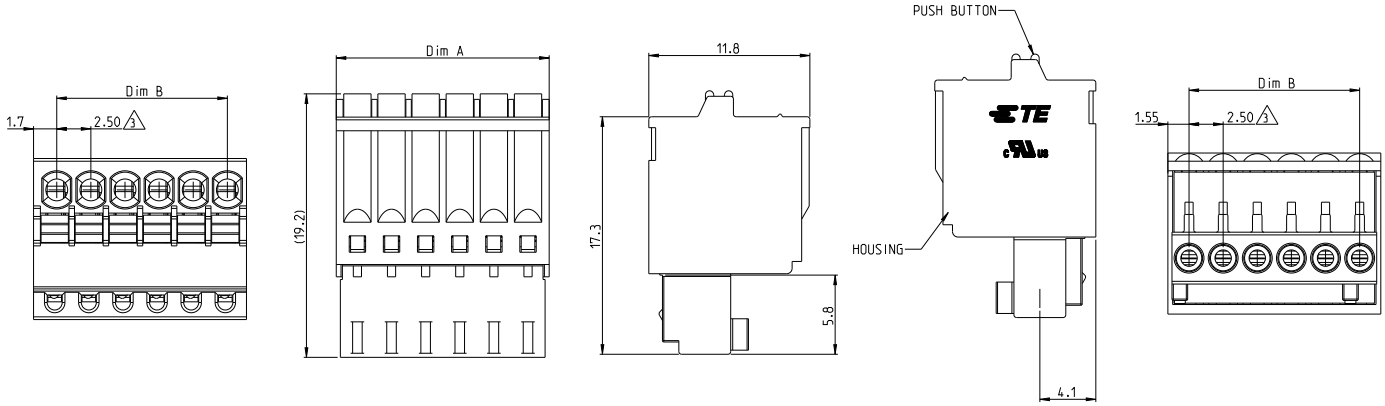
- RoHS & REACH compliant
- UL certified

## PUSH-IN TERMINAL BLOCK PLUG - 2.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

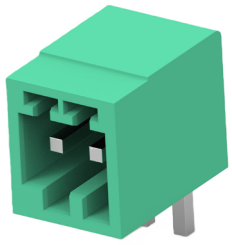



## PRODUCT INFORMATION

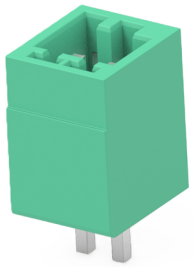
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2 | 5.6 (0.22) | 2.5 (0.10) | 2842528-2 |
| 3 | 8.1 (0.32) | 5.0 (0.20) | 2842528-3 |
| 4 | 10.6 (0.42) | 7.5 (0.30) | 2842528-4 |
| 5 | 13.1 (0.52) | 10.0 (0.39) | 2842528-5 |
| 6 | 15.6 (0.61) | 12.5 (0.49) | 2842528-6 |
| 7 | 18.1 (0.71) | 15.0 (0.59) | 2842528-7 |
| 8 | 20.6 (0.81) | 17.5 (0.69) | 2842528-8 |
| 9 | 23.1 (0.91) | 20.0 (0.79) | 2842528-9 |
| 10 | 25.6 (1.01) | 22.5 (0.89) | 1-2842528-0 |
| 11 | 28.1 (1.11) | 25 (0.98) | 1-2842528-1 |
| 12 | 30.6 (1.20) | 27.5 (1.08) | 1-2842528-2 |
| 14 | 35.6 (1.40) | 32.5 (1.28) | 1-2842528-4 |
| 16 | 40.6 (1.60) | 37.5 (1.48) | 1-2842528-6 |
| 20 | 50.6 (1.99) | 47.5 (1.87) | 2-2842528-0 |
| 24 | 60.6 (2.39) | 57.5 (2.26) | 2-2842528-4 |

## PUSH-IN TERMINAL BLOCK HEADER - 2.5 mm PITCH

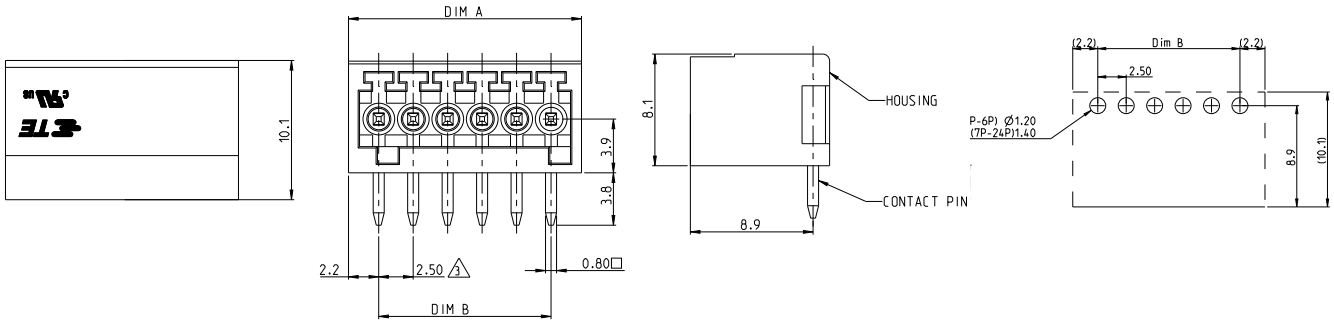
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

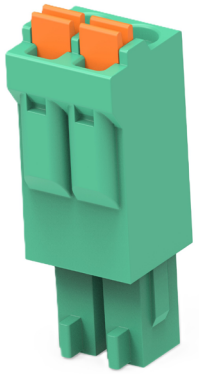



## PRODUCT INFORMATION

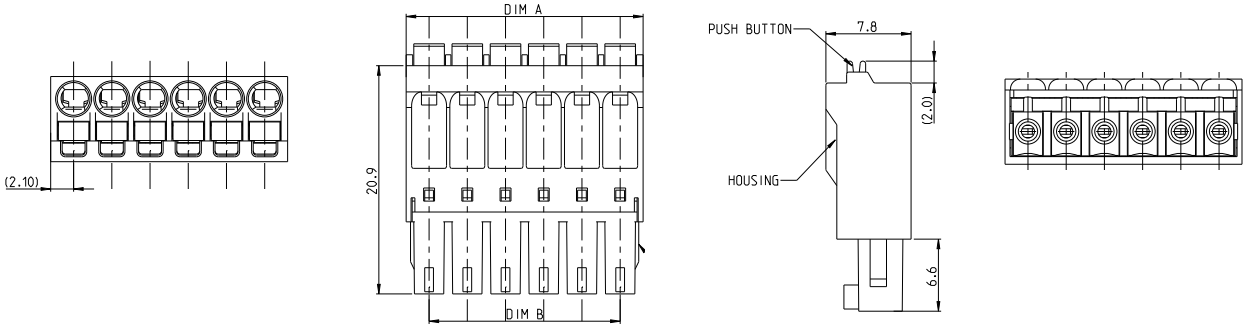
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 6.9 (0.27) | 2.5 (0.10) | 2842530-2 | 2842529-2 |
| 3 | 9.4 (0.37) | 5 (0.20) | 2842530-3 | 2842529-3 |
| 4 | 11.9 (0.47) | 7.5 (0.30) | 2842530-4 | 2842529-4 |
| 5 | 14.4 (0.57) | 10.0 (0.39) | 2842530-5 | 2842529-5 |
| 6 | 16.9 (0.67) | 12.5 (0.49) | 2842530-6 | 2842529-6 |
| 7 | 19.4 (0.76) | 15.0 (0.59) | 2842530-7 | 2842529-7 |
| 8 | 21.9 (0.86) | 17.5 (0.69) | 2842530-8 | 2842529-8 |
| 9 | 24.4 (0.96) | 20.0 (0.79) | 2842530-9 | 2842529-9 |
| 10 | 26.9 (1.06) | 22.5 (0.89) | 1-2842530-0 | 1-2842529-0 |
| 11 | 29.4 (1.16) | 25.0 (0.98) | 1-2842530-1 | 1-2842529-1 |
| 12 | 31.9 (1.26) | 27.5 (1.08) | 1-2842530-2 | 1-2842529-2 |
| 14 | 36.9 (1.45) | 32.5 (1.28) | 1-2842530-4 | 1-2842529-4 |
| 16 | 41.9 (1.65) | 37.5 (1.48) | 1-2842530-6 | 1-2842529-6 |
| 20 | 51.9 (2.04) | 47.5 (1.87) | 2-2842530-0 | 2-2842529-0 |
| 24 | 61.9 (2.44) | 57.5 (2.26) | 2-2842530-4 | 2-2842529-4 |

## PUSH-IN TERMINAL BLOCK PLUG - 3.5 mm PITCH

### VERTICAL



### Dimension [Unit: mm(in)]



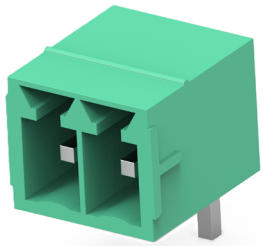

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2 | 7.7 (0.30) | 3.5 (0.14) | 2842474-2 |
| 3 | 11.2 (0.44) | 7.0 (0.28) | 2842474-3 |
| 4 | 14.7 (0.58) | 10.5 (0.41) | 2842474-4 |
| 5 | 18.2 (0.72) | 14.0 (0.55) | 2842474-5 |
| 6 | 21.7 (0.85) | 17.5 (0.69) | 2842474-6 |
| 7 | 25.2 (0.99) | 21.0 (0.83) | 2842474-7 |
| 8 | 28.7 (1.13) | 24.5 (0.96) | 2842474-8 |
| 9 | 32.2 (1.27) | 28.0 (1.10) | 2842474-9 |
| 10 | 35.7 (1.41) | 31.5 (1.24) | 1-2842474-0 |
| 11 | 39.2 (1.54) | 35.0 (1.38) | 1-2842474-1 |
| 12 | 42.7 (1.68) | 38.5 (1.52) | 1-2842474-2 |
| 14 | 49.7 (1.96) | 45.5 (1.79) | 1-2842474-4 |
| 16 | 56.7 (2.23) | 52.5 (2.7) | 1-2842474-6 |
| 20 | 70.7 (2.78) | 66.5 (2.62) | 2-2842474-0 |
| 24 | 84.7 (3.33) | 80.5 (3.17) | 2-2842474-4 |

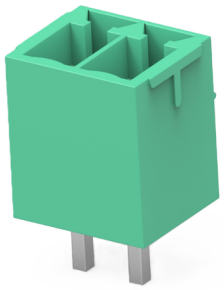
**Note:** BUCHANAN Terminal Block 2842474* has been replaced with Part Number 2842475* (Black)

## PUSH-IN TERMINAL BLOCK HEADER - 3.5 mm PITCH

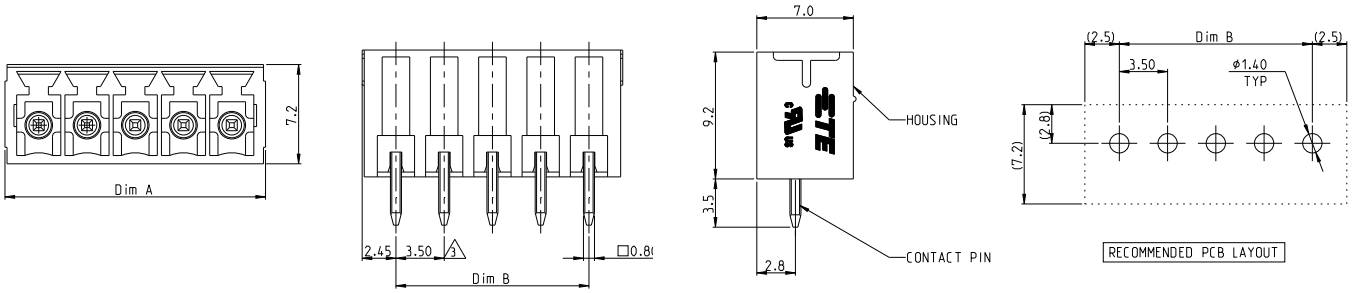
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]



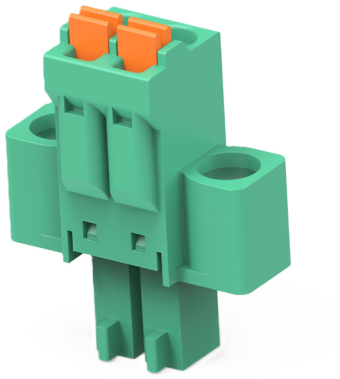

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 8.4 (0.33) | 3.5 (0.14) | 2842478-2 | 2842476-2 |
| 3 | 11.9 (0.47) | 7.0 (0.28) | 2842478-3 | 2842476-3 |
| 4 | 15.4 (0.61) | 10.5 (0.41) | 2842478-4 | 2842476-4 |
| 5 | 18.9 (0.74) | 14.0 (0.55) | 2842478-5 | 2842476-5 |
| 6 | 22.4 (0.88) | 17.5 (0.69) | 2842478-6 | 2842476-6 |
| 7 | 25.9 (1.02) | 21.0 (0.83) | 2842478-7 | 2842476-7 |
| 8 | 29.4 (1.16) | 24.5 (0.96) | 2842478-8 | 2842476-8 |
| 9 | 32.9 (1.30) | 28.0 (1.10) | 2842478-9 | 2842476-9 |
| 10 | 36.4 (1.43) | 31.5 (1.24) | 1-2842478-0 | 1-2842476-0 |
| 11 | 39.9 (1.57) | 35.0 (1.38) | 1-2842478-1 | 1-2842476-1 |
| 12 | 43.4 (1.71) | 38.5 (1.52) | 1-2842478-2 | 1-2842476-2 |
| 14 | 50.4 (1.98) | 45.5 (1.79) | 1-2842478-4 | 1-2842476-4 |
| 16 | 57.4 (2.26) | 52.5 (2.7) | 1-2842478-6 | 1-2842476-6 |
| 20 | 71.4 (2.81) | 66.5 (2.62) | 2-2842478-0 | 2-2842476-0 |
| 24 | 85.4 (3.36) | 80.5 (3.17) | 2-2842478-4 | 2-2842476-4 |

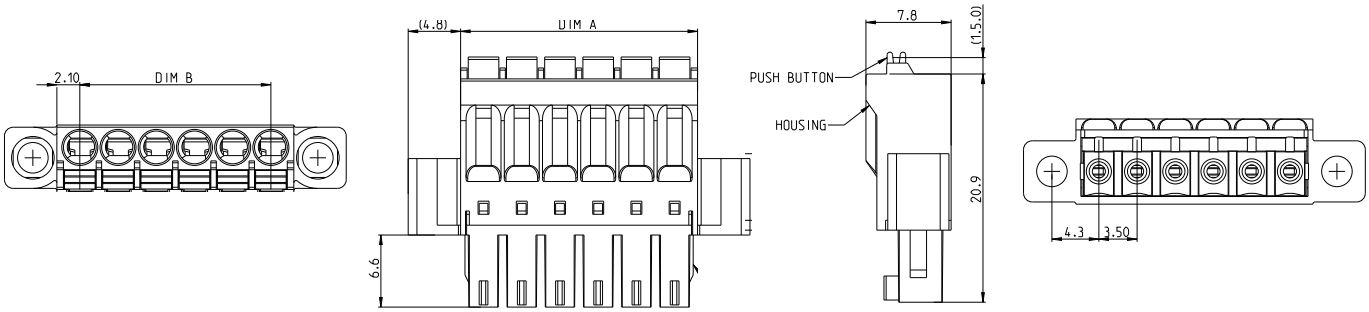
**Note:**
1. BUCHANAN Terminal Block 2842478* has been replaced with Part Number 2842479* (Black)
2. BUCHANAN Terminal Block 2842476* has been replaced with Part Number 2842477* (Black)

## PUSH-IN TERMINAL BLOCK PLUG, WITH FLANGE - 3.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]



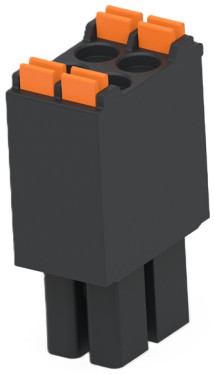

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2 | 7.7 (0.30) | 3.5 (0.14) | 2842480-2 |
| 3 | 11.2 (0.44) | 7.0 (0.28) | 2842480-3 |
| 4 | 14.7 (0.58) | 10.5 (0.41) | 2842480-4 |
| 5 | 18.2 (0.72) | 14.0 (0.55) | 2842480-5 |
| 6 | 21.7 (0.85) | 17.5 (0.69) | 2842480-6 |
| 7 | 25.2 (0.99) | 21.0 (0.83) | 2842480-7 |
| 8 | 28.7 (1.13) | 24.5 (0.96) | 2842480-8 |
| 9 | 32.2 (1.27) | 28.0 (1.10) | 2842480-9 |
| 10 | 35.7 (1.41) | 31.5 (1.24) | 1-2842480-0 |
| 11 | 39.2 (1.54) | 35.0 (1.38) | 1-2842480-1 |
| 12 | 42.7 (1.68) | 38.5 (1.52) | 1-2842480-2 |
| 14 | 49.7 (1.96) | 45.5 (1.79) | 1-2842480-4 |
| 16 | 56.7 (2.23) | 52.5 (2.7) | 1-2842480-6 |
| 20 | 70.7 (2.78) | 66.5 (2.62) | 2-2842480-0 |
| 24 | 84.7 (3.33) | 80.5 (3.17) | 2-2842480-4 |

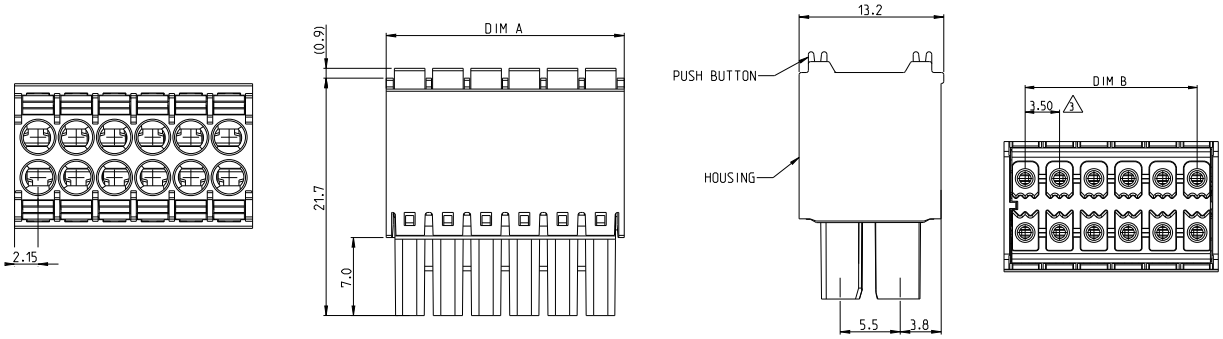
**Note:** BUCHANAN Terminal Block 2842480* has been replaced with Part Number 2842481* (Black)

## PUSH-IN TERMINAL BLOCK PLUG, DUAL ROW - 3.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]




## PRODUCT INFORMATION

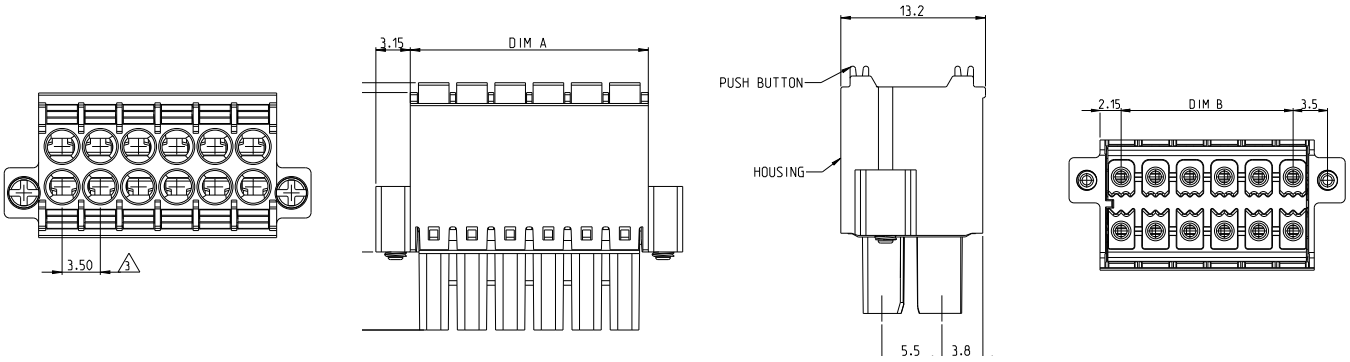
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2*2 | 7.7 (0.30) | 3.5 (0.14) | 2842487-2 |
| 2*3 | 11.2 (0.44) | 7.0 (0.28) | 2842487-3 |
| 2*4 | 14.7 (0.58) | 10.5 (0.41) | 2842487-4 |
| 2*5 | 18.2 (0.72) | 14.0 (0.55) | 2842487-5 |
| 2*6 | 21.7 (0.85) | 17.5 (0.69) | 2842487-6 |
| 2*7 | 25.2 (0.99) | 21.0 (0.83) | 2842487-7 |
| 2*8 | 28.7 (1.13) | 24.5 (0.96) | 2842487-8 |
| 2*9 | 32.2 (1.27) | 28.0 (1.10) | 2842487-9 |
| 2*10 | 35.7 (1.41) | 31.5 (1.24) | 1-2842487-0 |
| 2*11 | 39.2 (1.54) | 35.0 (1.38) | 1-2842487-1 |
| 2*12 | 42.7 (1.68) | 38.5 (1.52) | 1-2842487-2 |
| 2*14 | 49.7 (1.96) | 45.5 (1.79) | 1-2842487-4 |
| 2*16 | 56.7 (2.23) | 52.5 (2.7) | 1-2842487-6 |
| 2*20 | 70.7 (2.78) | 66.5 (2.62) | 2-2842487-0 |
| 2*24 | 84.7 (3.33) | 80.5 (3.17) | 2-2842487-4 |

## PUSH-IN TERMINAL BLOCK PLUG, DUAL ROW, WITH FLANGE - 3.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

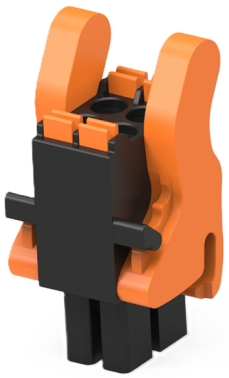



## PRODUCT INFORMATION

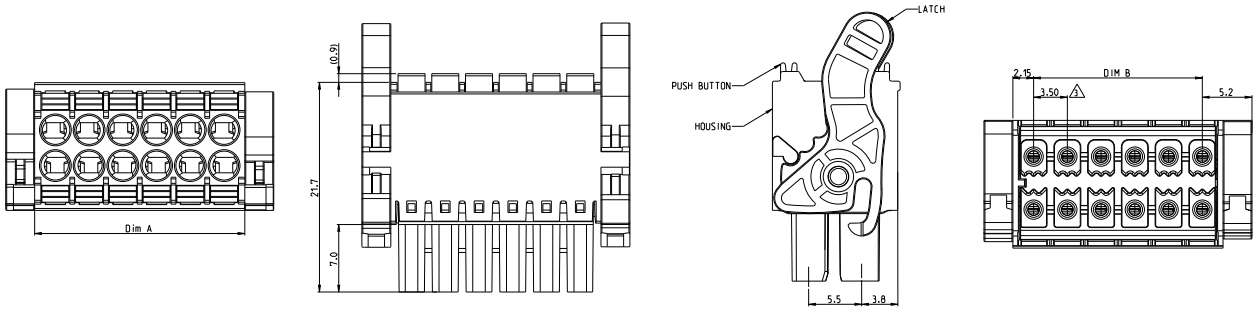
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2*2 | 7.7 (0.30) | 3.5 (0.14) | 2842493-2 |
| 2*3 | 11.2 (0.44) | 7.0 (0.28) | 2842493-3 |
| 2*4 | 14.7 (0.58) | 10.5 (0.41) | 2842493-4 |
| 2*5 | 18.2 (0.72) | 14.0 (0.55) | 2842493-5 |
| 2*6 | 21.7 (0.85) | 17.5 (0.69) | 2842493-6 |
| 2*7 | 25.2 (0.99) | 21.0 (0.83) | 2842493-7 |
| 2*8 | 28.7 (1.13) | 24.5 (0.96) | 2842493-8 |
| 2*9 | 32.2 (1.27) | 28.0 (1.10) | 2842493-9 |
| 2*10 | 35.7 (1.41) | 31.5 (1.24) | 1-2842493-0 |
| 2*11 | 39.2 (1.54) | 35.0 (1.38) | 1-2842493-1 |
| 2*12 | 42.7 (1.68) | 38.5 (1.52) | 1-2842493-2 |
| 2*14 | 49.7 (1.96) | 45.5 (1.79) | 1-2842493-4 |
| 2*16 | 56.7 (2.23) | 52.5 (2.7) | 1-2842493-6 |
| 2*20 | 70.7 (2.78) | 66.5 (2.62) | 2-2842493-0 |
| 2*24 | 84.7 (3.33) | 80.5 (3.17) | 2-2842493-4 |

## PUSH-IN TERMINAL BLOCK PLUG, DUAL ROW, WITH LEVER - 3.5 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

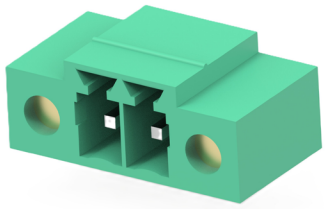



## PRODUCT INFORMATION

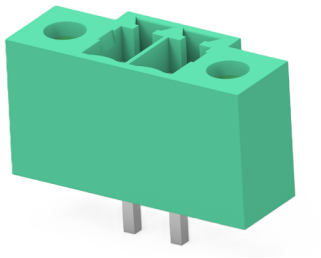
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2*2 | 7.7 (0.30) | 3.5 (0.14) | 2842499-2 |
| 2*3 | 11.2 (0.44) | 7.0 (0.28) | 2842499-3 |
| 2*4 | 14.7 (0.58) | 10.5 (0.41) | 2842499-4 |
| 2*5 | 18.2 (0.72) | 14.0 (0.55) | 2842499-5 |
| 2*6 | 21.7 (0.85) | 17.5 (0.69) | 2842499-6 |
| 2*7 | 25.2 (0.99) | 21.0 (0.83) | 2842499-7 |
| 2*8 | 28.7 (1.13) | 24.5 (0.96) | 2842499-8 |
| 2*9 | 32.2 (1.27) | 28.0 (1.10) | 2842499-9 |
| 2*10 | 35.7 (1.41) | 31.5 (1.24) | 1-2842499-0 |
| 2*11 | 39.2 (1.54) | 35.0 (1.38) | 1-2842499-1 |
| 2*12 | 42.7 (1.68) | 38.5 (1.52) | 1-2842499-2 |
| 2*14 | 49.7 (1.96) | 45.5 (1.79) | 1-2842499-4 |
| 2*16 | 56.7 (2.23) | 52.5 (2.7) | 1-2842499-6 |
| 2*17 | 60.2 (2.37) | 56 (2.20) | 1-2842499-7 |
| 2*20 | 70.7 (2.78) | 66.5 (2.62) | 2-2842499-0 |
| 2*24 | 84.7 (3.33) | 80.5 (3.17) | 2-2842499-4 |

## PUSH-IN TERMINAL BLOCK HEADER, WITH FLANGE - 3.5 mm PITCH

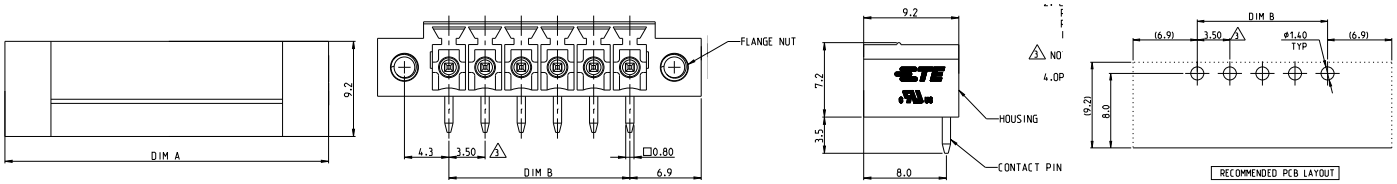
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]



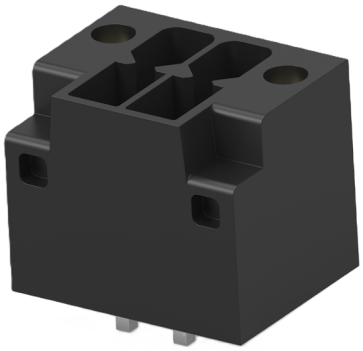

## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 17.3 (0.68) | 3.5 (0.14) | 2842484-2 | 2842482-2 |
| 3 | 20.8 (0.82) | 7.0 (0.28) | 2842484-3 | 2842482-3 |
| 4 | 24.3 (0.96) | 10.5 (0.41) | 2842484-4 | 2842482-4 |
| 5 | 27.8 (1.09) | 14.0 (0.55) | 2842484-5 | 2842482-5 |
| 6 | 31.3 (1.23) | 17.5 (0.69) | 2842484-6 | 2842482-6 |
| 7 | 34.8 (1.37) | 21.0 (0.83) | 2842484-7 | 2842482-7 |
| 8 | 38.3 (1.51) | 24.5 (0.96) | 2842484-8 | 2842482-8 |
| 9 | 41.8 (1.65) | 28.0 (1.10) | 2842484-9 | 2842482-9 |
| 10 | 45.3 (1.78) | 31.5 (1.24) | 1-2842484-0 | 1-2842482-0 |
| 11 | 48.8 (1.92) | 35.0 (1.38) | 1-2842484-1 | 1-2842482-1 |
| 12 | 52.3 (2.06) | 38.5 (1.52) | 1-2842484-2 | 1-2842482-2 |
| 14 | 59.3 (2.33) | 45.5 (1.79) | 1-2842484-4 | 1-2842482-4 |
| 16 | 66.3 (2.61) | 52.5 (2.7) | 1-2842484-6 | 1-2842482-6 |
| 20 | 80.3 (3.16) | 66.5 (2.62) | 2-2842484-0 | 2-2842482-0 |
| 24 | 94.3 (3.71) | 80.5 (3.17) | 2-2842484-4 | 2-2842482-4 |

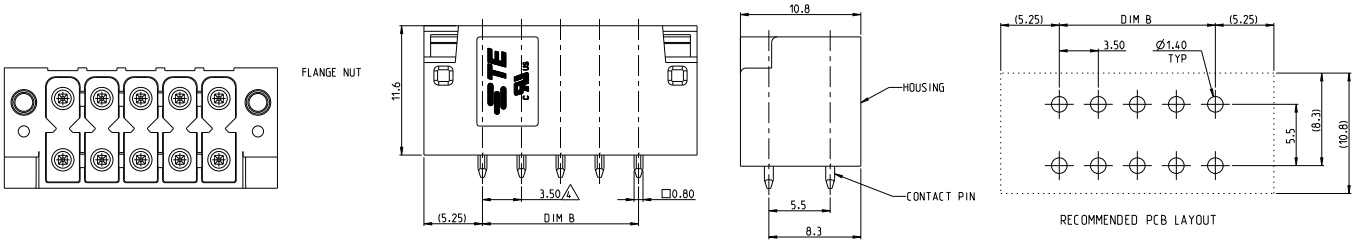
**Note:**
1. BUCHANAN Terminal Block 2842484* has been replaced with Part Number 2842485* (Black)
2. BUCHANAN Terminal Block 2842482* has been replaced with Part Number 2842483* (Black)

# PUSH-IN TERMINAL BLOCK HEADER, DUAL ROW, WITH FLANGE - 3.5 mm PITCH

## VERTICAL



Dimension [Unit: mm(in)]

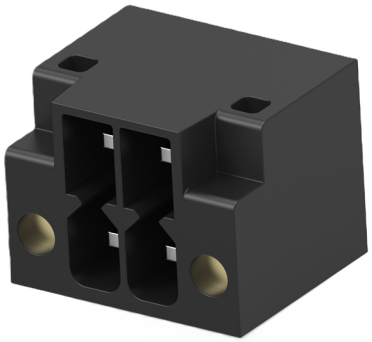



## PRODUCT INFORMATION

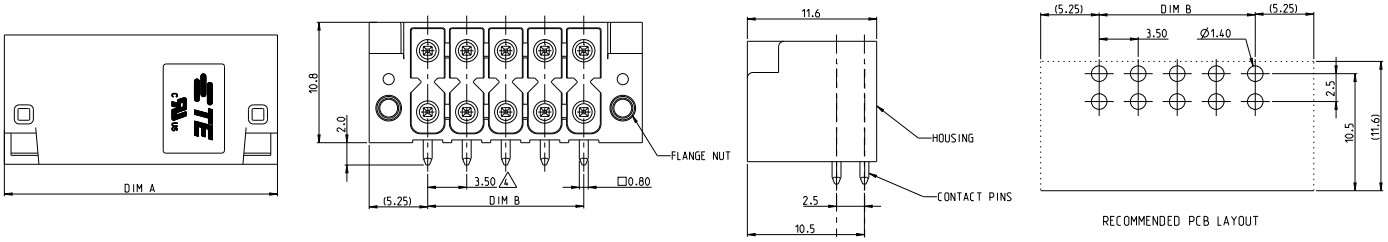
| No. of Positions | Dim. B mm(in) | Part Numbers |
|---|---|---|
| | | 180° |
| 2*2 | 14.0 (0.55) | 2842495-2 |
| 2*3 | 17.5 (0.69) | 2842495-3 |
| 2*4 | 21.0 (0.83) | 2842495-4 |
| 2*5 | 24.5 (0.96) | 2842495-5 |
| 2*6 | 28.0 (1.10) | 2842495-6 |
| 2*7 | 31.5 (1.24) | 2842495-7 |
| 2*8 | 35.0 (1.38) | 2842495-8 |
| 2*9 | 38.5 (1.52) | 2842495-9 |
| 2*10 | 42.0 (1.65) | 1-2842495-0 |
| 2*11 | 45.5 (1.79) | 1-2842495-1 |
| 2*12 | 49.0 (1.93) | 1-2842495-2 |
| 2*14 | 56.0 (2.20) | 1-2842495-4 |
| 2*16 | 63.0 (2.48) | 1-2842495-6 |
| 2*17 | 66.5 (2.62) | 1-2842495-7 |
| 2*20 | 77.0 (3.03) | 2-2842495-0 |
| 2*24 | 91.0 (3.58) | 2-2842495-4 |

## PUSH-IN TERMINAL BLOCK HEADER, DUAL ROW, WITH SIDE LATCH - 3.5 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

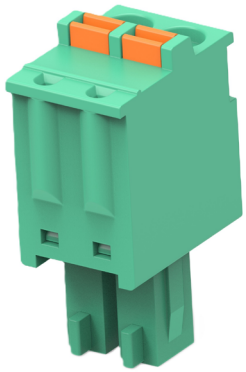



## PRODUCT INFORMATION

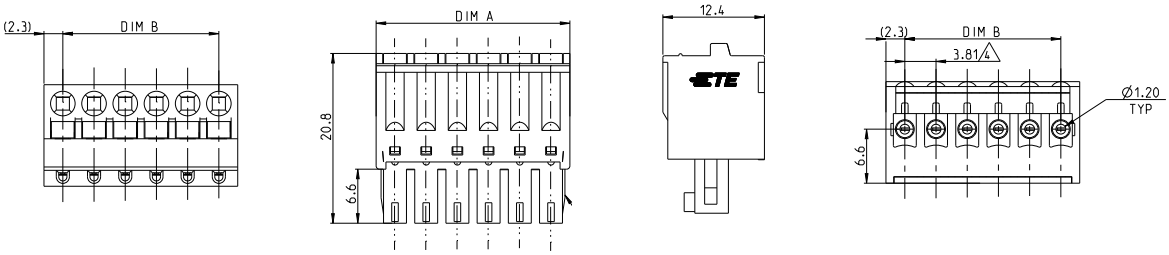
| No. of Positions | Dim. A mm(in) | Part Numbers |
|---|---|---|
| | | 90° |
| 2*2 | 14.0 (0.55) | 2842497-2 |
| 2*3 | 17.5 (0.69) | 2842497-3 |
| 2*4 | 21.0 (0.83) | 2842497-4 |
| 2*5 | 24.5 (0.96) | 2842497-5 |
| 2*6 | 28.0 (1.10) | 2842497-6 |
| 2*7 | 31.5 (1.24) | 2842497-7 |
| 2*8 | 35.0 (1.38) | 2842497-8 |
| 2*9 | 38.5 (1.52) | 2842497-9 |
| 2*10 | 42.0 (1.65) | 1-2842497-0 |
| 2*11 | 45.5 (1.79) | 1-2842497-1 |
| 2*12 | 49.0 (1.93) | 1-2842497-2 |
| 2*14 | 56.0 (2.20) | 1-2842497-4 |
| 2*16 | 63.0 (2.48) | 1-2842497-6 |
| 2*17 | 66.5 (2.62) | 1-2842497-7 |
| 2*20 | 77.0 (3.03) | 2-2842497-0 |
| 2*24 | 91.0 (3.58) | 2-2842497-4 |

## PUSH-IN TERMINAL BLOCK PLUG - 3.81 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

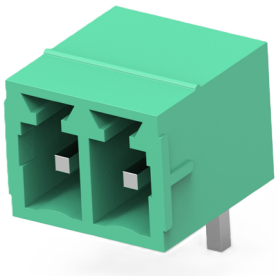



## PRODUCT INFORMATION

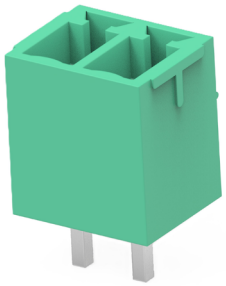
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2 | 8.42 (0.33) | 3.81 (0.15) | 2842500-2 |
| 3 | 12.23 (0.48) | 7.62 (0.30) | 2842500-3 |
| 4 | 16.04 (0.63) | 11.43 (0.45) | 2842500-4 |
| 5 | 19.85 (0.78) | 15.24 (0.60) | 2842500-5 |
| 6 | 23.66 (0.93) | 19.05 (0.75) | 2842500-6 |
| 7 | 27.47 (1.08) | 22.86 (0.90) | 2842500-7 |
| 8 | 31.28 (1.23) | 26.67 (1.05) | 2842500-8 |
| 9 | 35.09 (1.38) | 30.48 (1.20) | 2842500-9 |
| 10 | 38.90 (1.53) | 34.29 (1.35) | 1-2842500-0 |
| 11 | 42.71 (1.68) | 38.10 (1.50) | 1-2842500-1 |
| 12 | 46.52 (1.83) | 41.91 (1.65) | 1-2842500-2 |
| 14 | 54.14 (2.13) | 49.53 (1.95) | 1-2842500-4 |
| 16 | 61.76 (2.43) | 57.15 (2.25) | 1-2842500-6 |
| 20 | 77.00 (3.03) | 72.39 (2.85) | 2-2842500-0 |
| 24 | 92.24 (3.63) | 87.63 (3.45) | 2-2842500-4 |

## PUSH-IN TERMINAL BLOCK HEADER - 3.81 mm PITCH

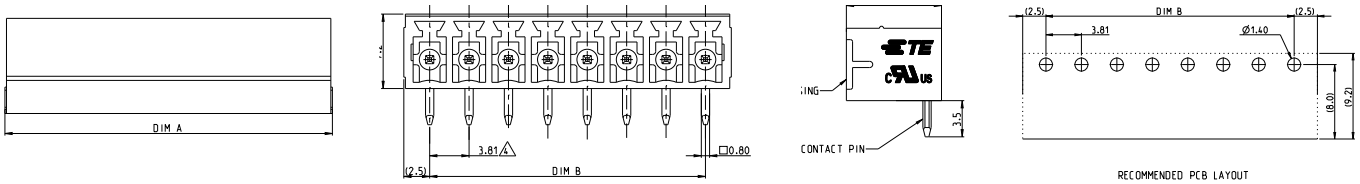
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

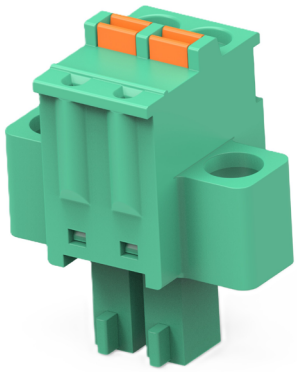



## PRODUCT INFORMATION

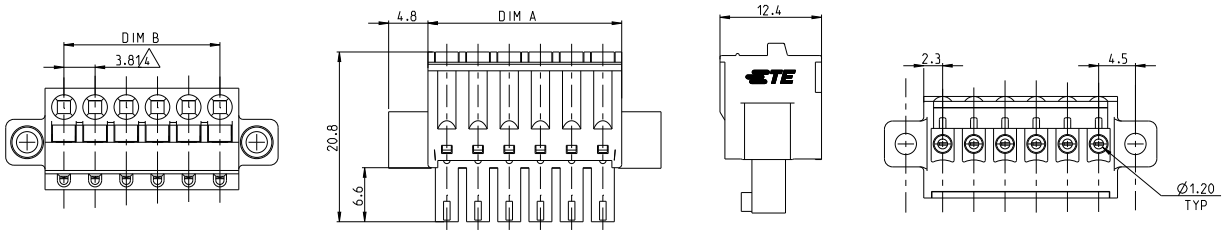
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 8.81 (0.35) | 3.81 (0.15) | 2842504-2 | 2842502-2 |
| 3 | 12.62 (0.50) | 7.62 (0.30) | 2842504-3 | 2842502-3 |
| 4 | 16.43 (0.65) | 11.43 (0.45) | 2842504-4 | 2842502-4 |
| 5 | 20.24 (0.80) | 15.24 (0.60) | 2842504-5 | 2842502-5 |
| 6 | 24.05 (0.95) | 19.05 (0.75) | 2842504-6 | 2842502-6 |
| 7 | 27.86 (1.10) | 22.86 (0.90) | 2842504-7 | 2842502-7 |
| 8 | 31.67 (1.25) | 26.67 (1.05) | 2842504-8 | 2842502-8 |
| 9 | 35.48 (1.40) | 30.48 (1.20) | 2842504-9 | 2842502-9 |
| 10 | 39.29 (1.55) | 34.29 (1.35) | 1-2842504-0 | 1-2842502-0 |
| 11 | 43.10 (1.70) | 38.10 (1.50) | 1-2842504-1 | 1-2842502-1 |
| 12 | 46.91 (1.85) | 41.91 (1.65) | 1-2842504-2 | 1-2842502-2 |
| 14 | 54.53 (2.15) | 49.53 (1.95) | 1-2842504-4 | 1-2842502-4 |
| 16 | 62.15 (2.45) | 57.15 (2.25) | 1-2842504-6 | 1-2842502-6 |
| 20 | 77.39 (3.05) | 72.39 (2.85) | 2-2842504-0 | 2-2842502-0 |
| 24 | 92.63 (3.65) | 87.63 (3.45) | 2-2842504-4 | 2-2842502-4 |

## PUSH-IN TERMINAL BLOCK PLUG, WITH FLANGE - 3.81 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

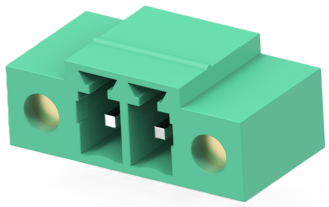



## PRODUCT INFORMATION

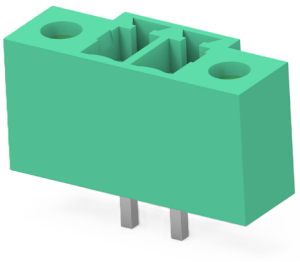
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2 | 8.42 (0.33) | 3.81 (0.15) | 2842506-2 |
| 3 | 12.23 (0.48) | 7.62 (0.30) | 2842506-3 |
| 4 | 16.04 (0.63) | 11.43 (0.45) | 2842506-4 |
| 5 | 19.85 (0.78) | 15.24 (0.60) | 2842506-5 |
| 6 | 23.66 (0.93) | 19.05 (0.75) | 2842506-6 |
| 7 | 27.47 (1.08) | 22.86 (0.90) | 2842506-7 |
| 8 | 31.28 (1.23) | 26.67 (1.05) | 2842506-8 |
| 9 | 35.09 (1.38) | 30.48 (1.20) | 2842506-9 |
| 10 | 38.9 (1.53) | 34.29 (1.35) | 1-2842506-0 |
| 11 | 42.71 (1.68) | 38.10 (1.50) | 1-2842506-1 |
| 12 | 46.52 (1.83) | 41.91 (1.65) | 1-2842506-2 |
| 14 | 54.14 (2.13) | 49.53 (1.95) | 1-2842506-4 |
| 16 | 61.76 (2.43) | 57.15 (2.25) | 1-2842506-6 |
| 20 | 77.00 (3.03) | 72.39 (2.85) | 2-2842506-0 |
| 24 | 92.24 (3.63) | 87.63 (3.45) | 2-2842506-4 |

## PUSH-IN TERMINAL BLOCK HEADER, WITH FLANGE - 3.81 mm PITCH

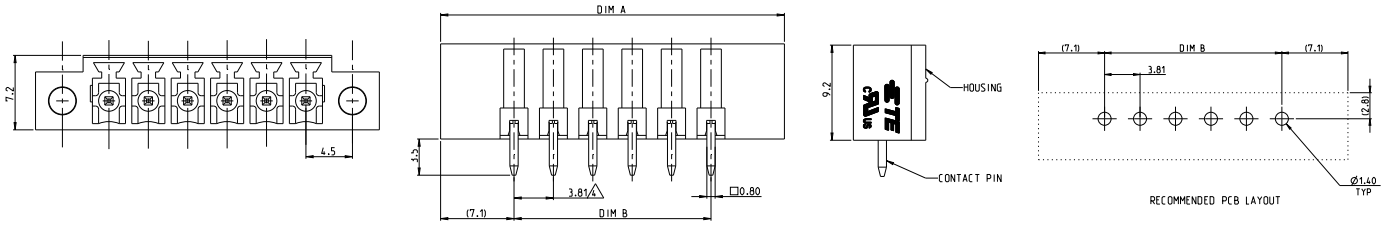
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

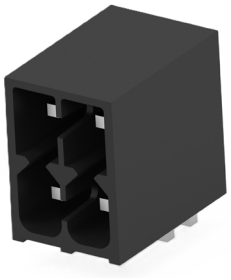



## PRODUCT INFORMATION

| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 18.01 (0.71) | 3.81 (0.15) | 2842508-2 | 2842510-2 |
| 3 | 21.82 (0.86) | 7.62 (0.30) | 2842508-3 | 2842510-3 |
| 4 | 25.63 (1.01) | 11.43 (0.45) | 2842508-4 | 2842510-4 |
| 5 | 29.44 (1.16) | 15.24 (0.60) | 2842508-5 | 2842510-5 |
| 6 | 33.25 (1.31) | 19.05 (0.75) | 2842508-6 | 2842510-6 |
| 7 | 37.06 (1.46) | 22.86 (0.90) | 2842508-7 | 2842510-7 |
| 8 | 40.87 (1.61) | 26.67 (1.05) | 2842508-8 | 2842510-8 |
| 9 | 44.68 (1.76) | 30.48 (1.20) | 2842508-9 | 2842510-9 |
| 10 | 48.49 (1.91) | 34.29 (1.35) | 1-2842508-0 | 1-2842510-0 |
| 11 | 52.3 (2.06) | 38.1 (1.50) | 1-2842508-1 | 1-2842510-1 |
| 12 | 56.11 (2.21) | 41.91 (1.65) | 1-2842508-2 | 1-2842510-2 |
| 14 | 63.73 (2.51) | 49.53 (1.95) | 1-2842508-4 | 1-2842510-4 |
| 16 | 71.35 (2.81) | 57.15 (2.25) | 1-2842508-6 | 1-2842510-6 |
| 20 | 86.59 (3.41) | 72.39 (2.85) | 2-2842508-0 | 2-2842510-0 |
| 24 | 101.83 (4.01) | 87.63 (3.45) | 2-2842508-4 | 2-2842510-4 |

## PUSH-IN TERMINAL BLOCK HEADER, DUAL ROW - 3.81 mm PITCH

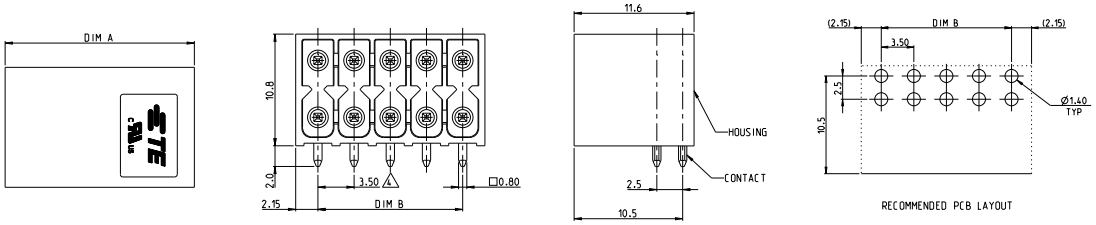
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

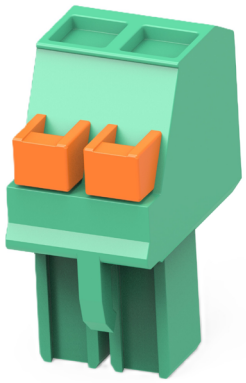



## PRODUCT INFORMATION

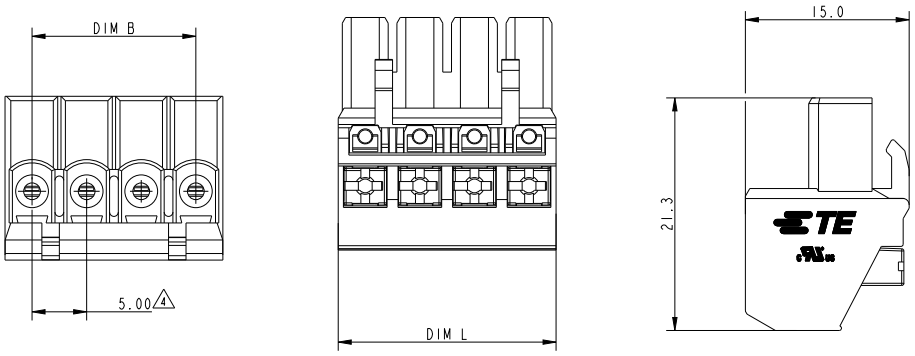
| No. of Positions | Dim. A mm(in) | Dim. B mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2*2 | 7.8 (0.31) | 3.5 (0.14) | 2842491-2 | 2842489-2 |
| 2*3 | 11.3 (0.44) | 7.0 (0.28) | 2842491-3 | 2842489-3 |
| 2*4 | 14.8 (0.58) | 10.5 (0.41) | 2842491-4 | 2842489-4 |
| 2*5 | 18.3 (0.72) | 14.0 (0.55) | 2842491-5 | 2842489-5 |
| 2*6 | 21.8 (0.86) | 17.5 (0.69) | 2842491-6 | 2842489-6 |
| 2*7 | 25.3 (1.00) | 21.0 (0.83) | 2842491-7 | 2842489-7 |
| 2*8 | 28.8 (1.13) | 24.5 (0.96) | 2842491-8 | 2842489-8 |
| 2*9 | 32.3 (1.27) | 28.0 (1.10) | 2842491-9 | 2842489-9 |
| 2*10 | 35.8 (1.41) | 31.5 (1.24) | 1-2842491-0 | 1-2842489-0 |
| 2*11 | 39.3 (1.55) | 35.0 (1.38) | 1-2842491-1 | 1-2842489-1 |
| 2*12 | 42.8 (1.69) | 38.5 (1.52) | 1-2842491-2 | 1-2842489-2 |
| 2*14 | 49.8 (1.96) | 45.5 (1.79) | 1-2842491-4 | 1-2842489-4 |
| 2*16 | 56.8 (2.24) | 52.5 (2.7) | 1-2842491-6 | 1-2842489-6 |
| 2*20 | 70.8 (2.79) | 66.5 (2.62) | 2-2842491-0 | 2-2842489-0 |
| 2*24 | 84.8 (3.34) | 80.5 (3.17) | 2-2842491-4 | 2-2842489-4 |

## PUSH-IN TERMINAL BLOCK PLUG - 5.0 mm PITCH

### RIGHT-ANGLE



Dimension [Unit: mm(in)]

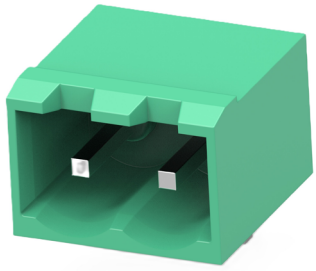



## PRODUCT INFORMATION

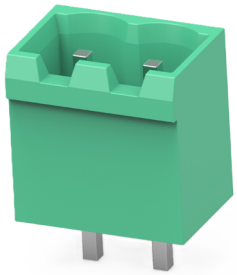
| No. of Positions | Dim. B mm(in) | Dim. L mm(in) | Part Numbers |
|---|---|---|---|
| | | | 90° |
| 2 | 5.0 (0.19) | 10.0 (0.39) | 2842543-2 |
| 3 | 10.0 (0.39) | 15.0 (0.59) | 2842543-3 |
| 4 | 15.0 (0.59) | 20.0 (0.79) | 2842543-4 |

## PUSH-IN TERMINAL BLOCK HEADER - 5.0 mm PITCH

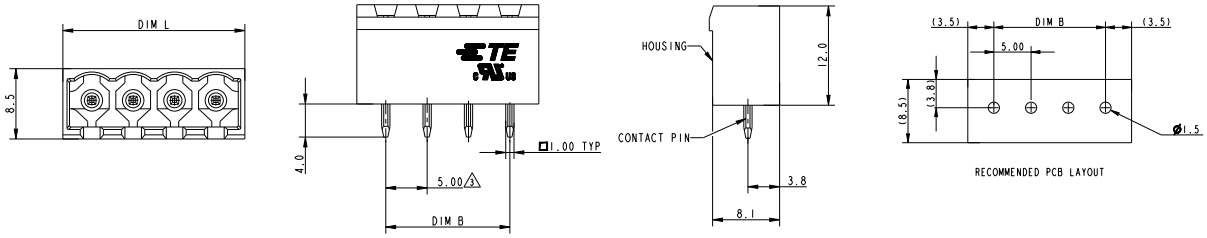
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

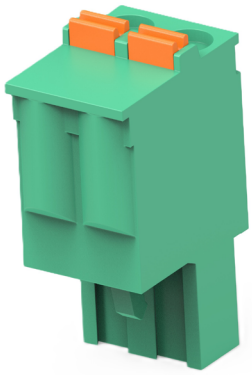



## PRODUCT INFORMATION

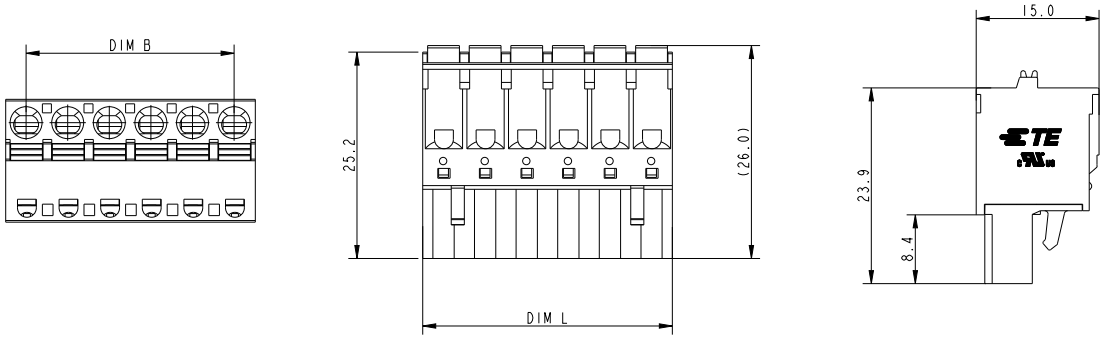
| No. of Positions | Dim. B mm(in) | Dim. L mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 5.0 (0.19) | 12.0 (0.47) | 2842547-2 | 2842545-2 |
| 3 | 10.0 (0.39) | 17.0 (0.67) | 2842547-3 | 2842545-3 |
| 4 | 15.0 (0.59) | 22.0 (0.87) | 2842547-4 | 2842545-4 |

## PUSH-IN TERMINAL BLOCK PLUG - 5.08 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

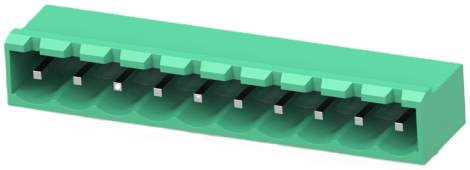



## PRODUCT INFORMATION

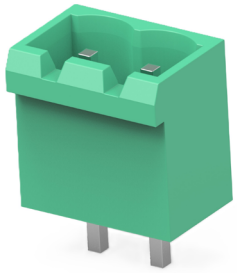
| No. of Positions | Dim. B mm(in) | Dim. L mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2 | 5.08 (0.20) | 10.16 (0.40) | 2842514-2 |
| 3 | 10.16 (0.40) | 15.24 (0.60) | 2842514-3 |
| 4 | 15.24 (0.60) | 20.32 (0.80) | 2842514-4 |
| 5 | 20.32 (0.80) | 25.40 (1.00) | 2842514-5 |
| 6 | 25.40 (1.00) | 30.48 (1.20) | 2842514-6 |
| 7 | 30.48 (1.20) | 35.56 (1.40) | 2842514-7 |
| 8 | 35.56 (1.40) | 40.64 (1.60) | 2842514-8 |
| 9 | 40.64 (1.60) | 45.72 (1.80) | 2842514-9 |
| 10 | 45.72 (1.80) | 50.80 (2.00) | 1-2842514-0 |

## PUSH-IN TERMINAL BLOCK HEADER - 5.08 mm PITCH

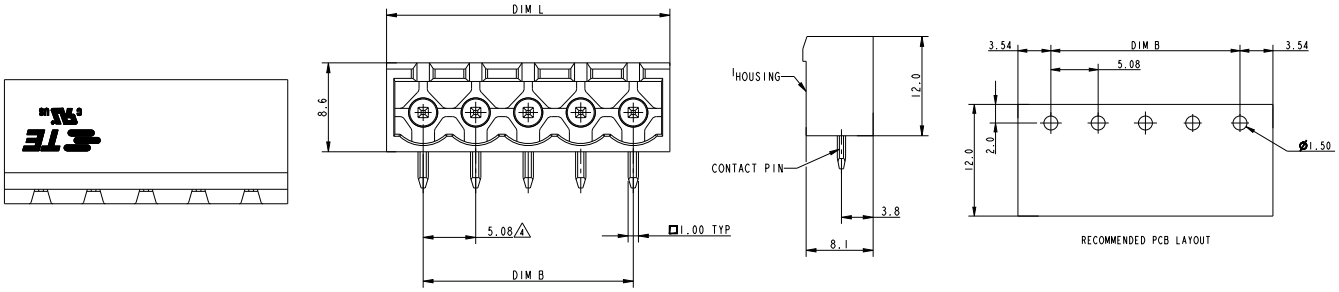
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

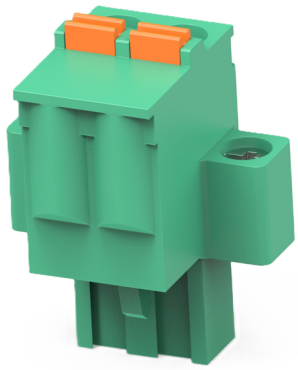



## PRODUCT INFORMATION

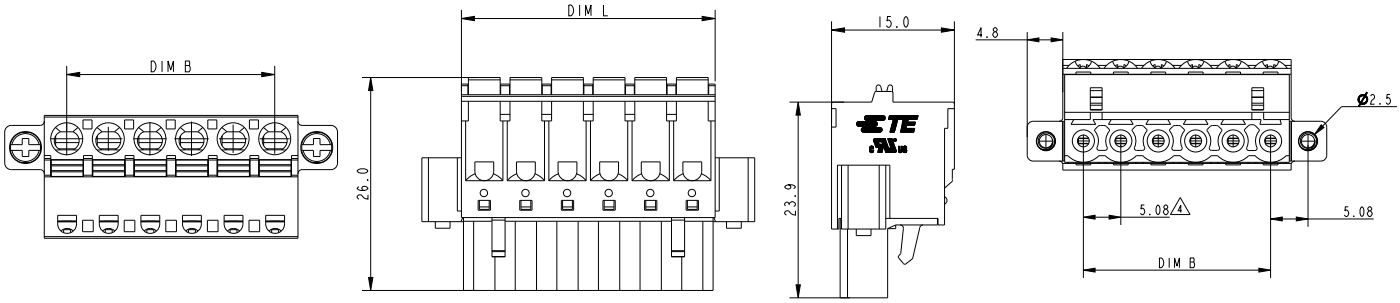
| No. of Positions | Dim. B mm(in) | Dim. L mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 5.08 (0.20) | 12.16 (0.47) | 2842518-2 | 2842516-2 |
| 3 | 10.16 (0.40) | 17.24 (0.67) | 2842518-3 | 2842516-3 |
| 4 | 15.24 (0.60) | 22.32 (0.87) | 2842518-4 | 2842516-4 |
| 5 | 20.32 (0.80) | 27.40 (1.07) | 2842518-5 | 2842516-5 |
| 6 | 25.40 (1.00) | 32.48 (1.27) | 2842518-6 | 2842516-6 |
| 7 | 30.48 (1.20) | 37.56 (1.47) | 2842518-7 | 2842516-7 |
| 8 | 35.56 (1.40) | 42.64 (1.67) | 2842518-8 | 2842516-8 |
| 9 | 40.64 (1.60) | 47.72 (1.87) | 2842518-9 | 2842516-9 |
| 10 | 45.72 (1.80) | 52.8 (2.07) | 1-2842518-0 | 1-2842516-0 |

## PUSH-IN TERMINAL BLOCK PLUG, WITH FLANGE - 5.08 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]

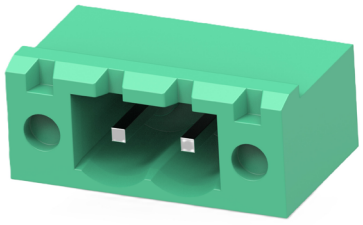



## PRODUCT INFORMATION

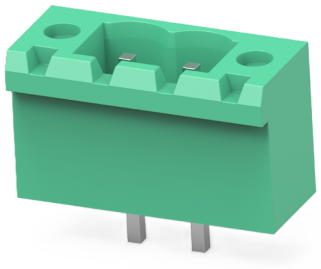
| No. of Positions | Dim. B mm(in) | Dim. L mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2 | 5.08 (0.20) | 10.66 (0.42) | 2842520-2 |
| 3 | 10.16 (0.40) | 15.74 (0.62) | 2842520-3 |
| 4 | 15.24 (0.60) | 20.82 (0.82) | 2842520-4 |
| 5 | 20.32 (0.80) | 25.90 (1.02) | 2842520-5 |
| 6 | 25.40 (1.00) | 30.98 (1.22) | 2842520-6 |
| 7 | 30.48 (1.20) | 36.06 (1.42) | 2842520-7 |
| 8 | 35.56 (1.40) | 41.14 (1.62) | 2842520-8 |
| 9 | 40.64 (1.60) | 46.22 (1.82) | 2842520-9 |
| 10 | 45.72 (1.80) | 51.30 (2.02) | 1-2842520-0 |

## PUSH-IN TERMINAL BLOCK HEADER, WITH FLANGE - 5.08 mm PITCH

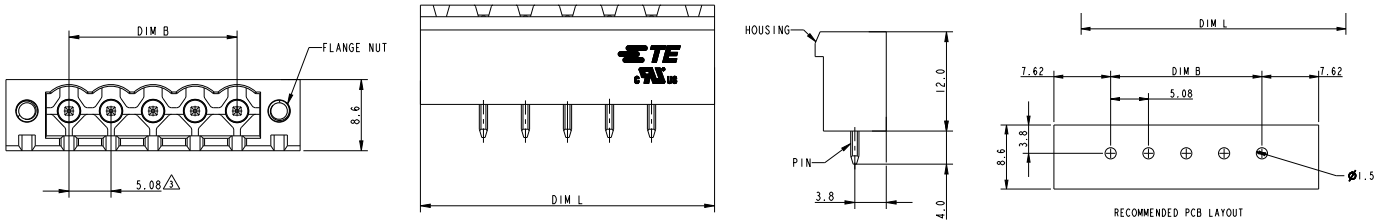
### RIGHT-ANGLE



### VERTICAL



Dimension [Unit: mm(in)]

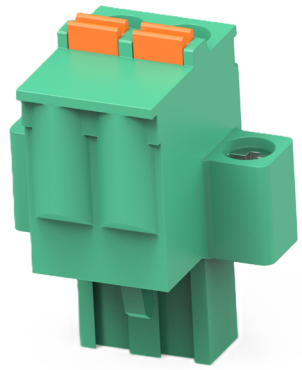



## PRODUCT INFORMATION

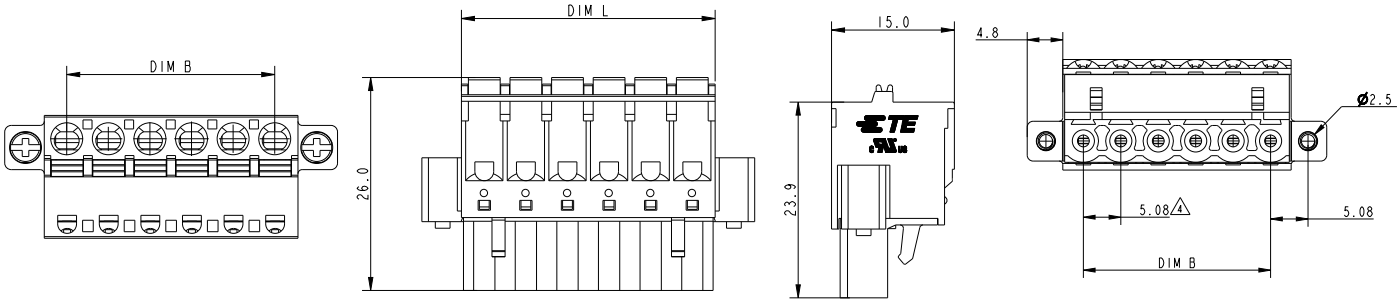
| No. of Positions | Dim. B mm(in) | Dim. L mm(in) | Part Numbers | |
|---|---|---|---|---|
| | | | 90° | 180° |
| 2 | 5.08 (0.20) | 20.32 (0.80) | 2842524-2 | 2842522-2 |
| 3 | 10.16 (0.40) | 25.4 (1.00) | 2842524-3 | 2842522-3 |
| 4 | 15.24 (0.60) | 30.48 (1.20) | 2842524-4 | 2842522-4 |
| 5 | 20.32 (0.80) | 35.56 (1.40) | 2842524-5 | 2842522-5 |
| 6 | 25.4 (1.00) | 40.64 (1.60) | 2842524-6 | 2842522-6 |
| 7 | 30.48 (1.20) | 45.72 (1.80) | 2842524-7 | 2842522-7 |
| 8 | 35.56 (1.40) | 50.8 (2.00) | 2842524-8 | 2842522-8 |
| 9 | 40.64 (1.60) | 55.88 (2.20) | 2842524-9 | 2842522-9 |
| 10 | 45.72 (1.80) | 60.96 (2.40) | 1-2842524-0 | 1-2842522-0 |

## PUSH-IN TERMINAL BLOCK PLUG, DUAL ROW - 5.08 mm PITCH

### VERTICAL



Dimension [Unit: mm(in)]



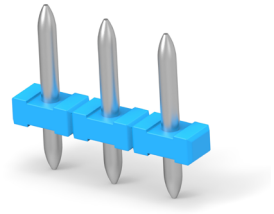

## PRODUCT INFORMATION

| No. of Positions | Dim. B mm(in) | Dim. L mm(in) | Part Numbers |
|---|---|---|---|
| | | | 180° |
| 2 | 5.08 (0.20) | 10.66 (0.42) | 2842520-2 |
| 3 | 10.16 (0.40) | 15.74 (0.62) | 2842520-3 |
| 4 | 15.24 (0.60) | 20.82 (0.82) | 2842520-4 |
| 5 | 20.32 (0.80) | 25.9 (1.02) | 2842520-5 |
| 6 | 25.4 (1.00) | 30.98 (1.22) | 2842520-6 |
| 7 | 30.48 (1.20) | 36.06 (1.42) | 2842520-7 |
| 8 | 35.56 (1.40) | 41.14 (1.62) | 2842520-8 |
| 9 | 40.64 (1.60) | 46.22 (1.82) | 2842520-9 |
| 10 | 45.72 (1.80) | 51.3 (2.02) | 1-2842520-0 |

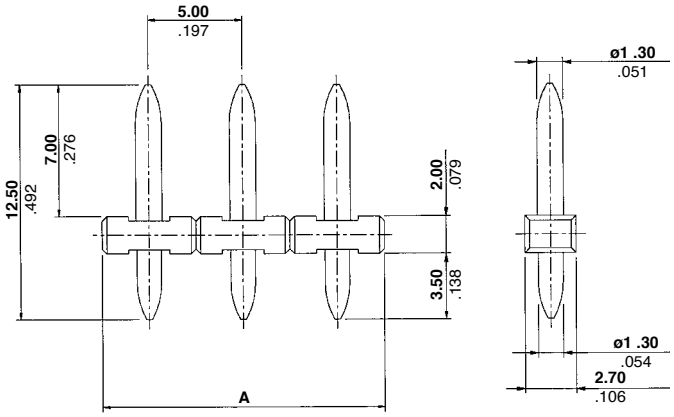
## HEADER, STRAIGHT MOUNT

### HEADER STRAIGHT MOUNT, UNSHROUDED 5.00 mm PITCH

UL Rating – 250/300 V, 10 A



Dimension [Unit: mm(in)]

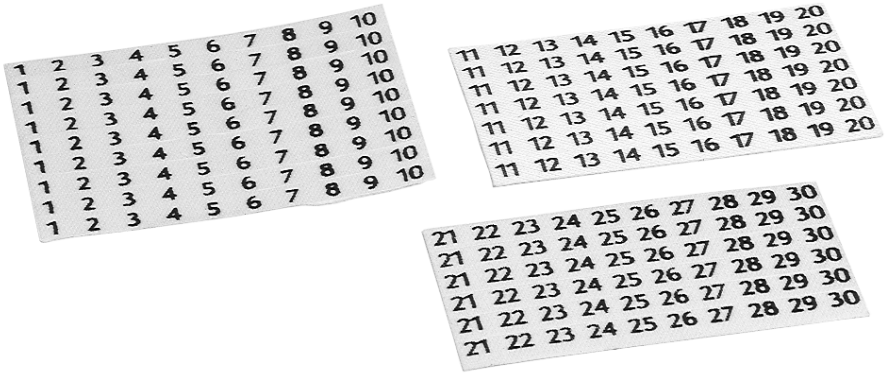



## PRODUCT INFORMATION

| No. of Positions | Dim. A | Part Numbers |
|---|---|---|
| 2 | 10.00 (0.394) | 1776489-2 |
| 3 | 15.00 (0.591) | 1776489-3 |
| 4 | 20.00 (0.787) | 1776489-4 |
| 6 | 30.00 (1.181) | 1776489-6 |

Wave solder process capable to 265°C (509°F) for 10 seconds

## LABELING



### INTRODUCTION

If you need to number Terminal Block connectors, TE makes available an easy-to-use numbering system based on adhesive labels with proper centerline.

## PRODUCT INFORMATION

| Centerline | No. of Positions | Numbering from...up to | Part Numbers |
|---|---|---|---|
| 5.0–5.08 (0.197–.200) | 10 | 1 ... 10 | 282928-1 |
| 5.0–5.08 (0.197–.200) | 10 | 11 ... 20 | 282928-2 |

There are 12 adhesive labels per sheet. Please ask for customized labeling.

## ACCESSORIES

## POLARIZATION KEYS

**Color – Red**



For Plugs



For Headers

## INTRODUCTION

Polarization keys help prevent wrong mating of two-piece Terminal Block connectors (not valid for special version). Special keys allow you to differentiate counterparts, meeting OEMs' requirement for error-free interconnections.

| Application | Part Numbers* |
|---|---|
| Two-piece Terminal Block Plugs | 282969-1 |
| Two-piece Terminal Block Headers | 282970-1 |
| 3.5, 3.81 mm (0.138, .150) Plug | 1546050-1 |
| 3.5, 3.81 mm (0.138, .150) Header | 1546051-1 |

*Comprised of 1 Circular Carrier with 6 Keys.

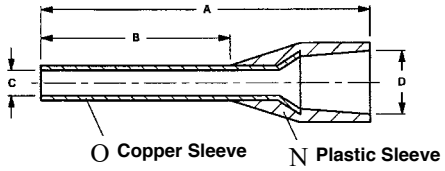
# WIRE FERRULES

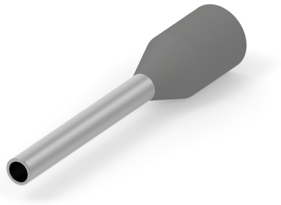
## INTRODUCTION

These Wire Ferrules, suitable for the most common wire range of 0.5 $mm^2$ through 10.0 $mm^2$, (20AWG-7AWG) are terminated with hand tools.

## DIN WIRE FERRULES

**Tubing Form with Plastic Sleeve According to DIN 46228, Part 4**

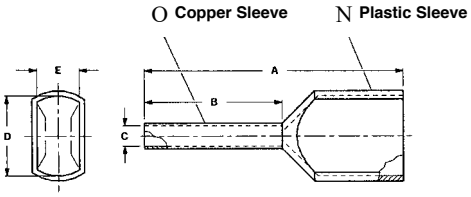


| Wire Size Range | | Insulation Diameter Max. | Version | Insulation Color | Dimensions: mm(in) | | | | Strip Length | Part Number | Packaging Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AWG | ($mm^2$) | | | | A | B | C | D | | | |
| 20 | 0.50 | 2.3 (0.091) | Normal | White | 14.0 (0.551) | 8.0 (0.315) | 1.0 (0.039) | 2.6 (0.102) | 10.0 (0.394) | 966067-2 | 500 |
| 18 | 0.75 | 2.5 (0.098) | Normal | Grey | 14.0 (0.551) | 8.0 (0.315) | 1.2 (0.047) | 2.8 (0.110) | 10.0 (0.394) | 966067-5 | 500 |
| 17 | 1.00 | 2.7 (0.106) | Normal | Red | 14.0 (0.551) | 8.0 (0.315) | 1.4 (0.055) | 3.0 (0.118) | 10.0 (0.394) | 966067-9 | 500 |
| 16 | 1.50 | 3.2 (0.126) | Normal | Black | 14.0 (0.551) | 8.0 (0.315) | 1.7 (0.067) | 3.5 (0.138) | 10.0 (0.394) | 1-966067-2 | 500 |
| 14 | 2.50 | 3.9 (0.154) | Normal | Blue | 14.0 (0.551) | 8.0 (0.315) | 2.2 (0.087) | 4.2 (0.165) | 10.0 (0.394) | 1-966067-6 | 500 |
| 11 | 4.00 | 4.5 (0.177) | Normal | Grey | 17.0 (0.669) | 10.0 (0.394) | 2.8 (0.110) | 4.8 (0.189) | 12.0 (0.472) | 1-966067-9 | 500 |
| 10 | 6.00 | 6.0 (0.236) | Normal | Yellow | 20.0 (0.787) | 12.0 (0.472) | 3.5 (0.138) | 6.3 (0.248) | 14.0 (0.551) | 2-966067-2 | 100 |
| 7 | 10.00 | 7.3 (0.287) | Normal | Red | 22.0 (0.866) | 12.0 (0.472) | 4.5 (0.177) | 7.6 (0.299) | 15.0 (0.591) | 2-966067-4 | 100 |

## DOUBLE WIRE FERRULES

Tubing Form with Plastic Sleeve, According to DIN 46228, Part 4

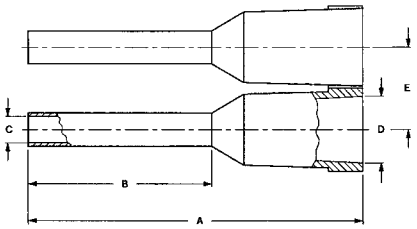





| Wire Size Range | | Insulation Diameter Max. | Version | Insulation Color | Dimensions: mm(in) | | | | | Strip Length | Part Number | Packaging Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AWG | (mm²) | | | | A | B | C | D | E | | | |
| 2 x 20 | 2 x 0.50 | 2.1 (0.083) | Normal | White | 15.0 (0.591) | 8.0 (0.315) | 1.40 (0.055) | 4.7 (0.185) | 2.5 (0.098) | 10.0 (0.394) | 966144-1 | 500 |
| 2 x 18 | 2 x 0.75 | 2.2 (0.087) | Normal | Grey | 15.0 (0.591) | 8.0 (0.315) | 1.70 (0.067) | 5.0 (0.197) | 2.8 (0.110) | 10.0 (0.394) | 966144-2 | 500 |
| 2 x 18 | 2 x 0.75 | 2.2 (0.087) | Long | Grey | 17.0 (0.669) | 10.0 (0.394) | 1.70 (0.067) | 5.0 (0.197) | 2.8 (0.110) | 12.0 (0.472) | 966144-3 | 500 |
| 2 x 17 | 2 x 1.00 | 2.5 (0.098) | Normal | Red | 15.0 (0.591) | 8.0 (0.315) | 1.95 (0.077) | 5.4 (0.213) | 3.4 (0.134) | 10.0 (0.394) | 966144-4 | 500 |
| 2 x 16 | 2 x 1.50 | 3.0 (0.118) | Normal | Black | 16.0 (0.630) | 8.0 (0.315) | 2.20 (0.087) | 6.6 (0.260) | 3.6 (0.142) | 10.0 (0.394) | 966144-6 | 500 |
| 2 x 14 | 2 x 2.50 | 3.6 (0.142) | Normal | Blue | 18.5 (0.728) | 10.0 (0.394) | 2.80 (0.110) | 7.8 (0.307) | 4.2 (0.165) | 12.0 (0.472) | 966144-8 | 250 |
| 2 x 11 | 2 x 4.00 | 4.1 (0.161) | Normal | Grey | 23.0 (0.906) | 12.0 (0.472) | 3.70 (0.146) | 8.8 (0.346) | 4.9 (0.193) | 14.0 (0.551) | 1-966144-0 | 100 |

## DOUBLE WIRE FERRULES

Tubing Form with Plastic Sleeve, According to DIN 46228, Part 4



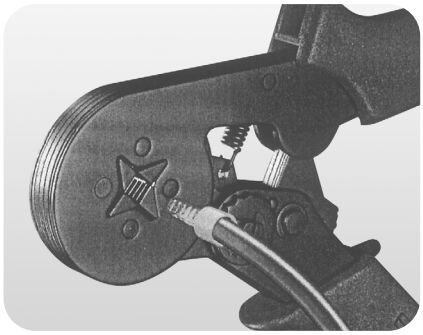


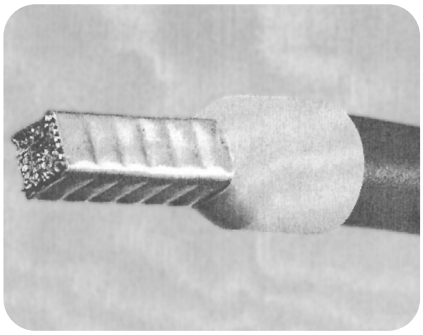

| Wire Size Range | | Insulation Diameter Max. | Insulation Color | Dimensions: mm(in) | | | | | Strip Length | Part Number | Packaging Unit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AWG | (mm²) | | | A | B | C | D | E | | | |
| 20 | 0.50 | 2.4 (0.094) | White | 14.5 (0.571) | 8.0 (0.315) | 1.1 (0.043) | 2.8 (0.110) | 3.5 (0.138) | 10.0 (0.394) | 1241000-1 | 1,000 |
| 18 | 0.75 | 2.6 (0.102) | Grey | 14.5 (0.571) | 8.0 (0.315) | 1.3 (0.051) | 2.9 (0.114) | 3.5 (0.138) | 10.0 (0.394) | 1241001-1 | 1,000 |
| 17 | 1.00 | 2.9 (0.114) | Red | 14.5 (0.571) | 8.0 (0.315) | 1.5 (0.059) | 3.2 (0.126) | 3.9 (0.154) | 10.0 (0.394) | 1241002-1 | 1,000 |
| 16 | 1.50 | 3.2 (0.126) | Black | 14.5 (0.571) | 8.0 (0.315) | 1.8 (0.071) | 3.4 (0.134) | 4.1 (0.161) | 10.0 (0.394) | 1241003-1 | 1,000 |
| 14 | 2.50 | 4.0 (0.157) | Blue | 14.5 (0.571) | 8.0 (0.315) | 2.3 (0.091) | 4.3 (0.169) | 5.0 (0.197) | 10.0 (0.394) | 1241004-1 | 500 |
| 14 | 2.50 | 4.0 (0.157) | Grey | 14.5 (0.571) | 8.0 (0.315) | 2.3 (0.091) | 4.3 (0.169) | 5.0 (0.197) | 10.0 (0.394) | 1241004-2 | 500 |

## APPLICATION TOOLING

## CRIMP HAND TOOL FOR WIRE FERRULES







### INTRODUCTION

This newly designed selfadjusting die set offers a time-saving crimping process and uniform crimp. A ratchet system provides for a complete crimp cycle before releasing. The crimp is according to DIN specification. The tool handles are contoured for comfort.

### PRODUCT FACTS

- Self-adjusting rectangular crimp profile for DIN-style crimp
- Only two hand tools are needed to crimp wire sizes from 0.14 $mm^2$ through 10.0 $mm^2$
- Adjustable crimp pressure
- Crimp control

### LOOSE PIECE TOOLING

| Wire Size Range ($mm^2$) | Part Numbers |
|---|---|
| 0.14-6.00 | 539660-1 |
| 0.75-10.0 | 539661-1 |

### STRIP FORM TOOLING

| End Sleeve Part Number | Applicator Part No. | | |
|---|---|---|---|
| | CLS IV+ Lead Maker | K Terminator | G Terminator |
| 1241000-1 | - * | - * | - * |
| 1241001-1 | - * | - * | - * |
| 1241002-2 | - * | - * | - * |
| 1241003-1 | | | |
| 1241004-1 | - * | - * | - * |
| 1241004-2 | | | |

*Contact the Tooling Assistance Center for Part Number

## BARRIER STRIPS



Barrier strip style terminal blocks from TE Connectivity are available in 3 main categories: Dual Barrier, tri-barrier, and double row. Each category of barrier strip is offered in several industry standard centerline spacings, allowing you to choose from high density to high current applications. Dual Barriers and Tri-Barriers are very similar in that they are both offered with hardware which allows them to be used in either PCB or panel mount applications.

### FEATURES & BENEFITS

- Available in centerline spacing from 0.250” 0.4375”
- Position sizes 2 to 30
- Accepts wire range from 10-30 AWG, dependant on style
- Full line of accessories includes jumpers, quick connect tabs, and some covers
- Binding head style and wire clamp screws are available; binding head screws are typically used with hardware such as QC tabs andjumpers.
- Wire screw clamps are best suited for bare wireapplications.
- Common contact styles offered in both dual- and tri-barriers: PCB pin, extended PCB pin, insulated ext. PCB pin, wire wrap, insulated wire wrap, solder turret, ins. solder turret, quick connect, ins. quick connect and non feed-thru

### PRODUCT APPLICATIONS

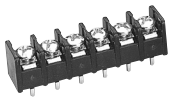
- Machine controls
- Power supplies
- Test & measurement
- Automation equipment
- Security/alarm devices
- HVAC controls
- Garage door openers
- Furnaces, water heaters, boilers

## BARRIER STRIP SELECTOR CHART

### TRI-BARRIER

| |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|
| | 0.250” | 0.325” | 0.325” | 0.375” | 0.375” | 0.375” | 0.375” | 0.4375” |
| **Series** | #3 | #4 | 1546927 | #6 | 1546833 | BC6 | MB6 | #8 |
| **Pitch (in)** | 0.250” | 0.325” | 0.325” | 0.375” | 0.375” | 0.375” | 0.375” | 0.4375” |
| **Circuits** | 2-32 | 2-30 | 2-8 | 2-30 | 2-8 | 2-16 | 4-40 | 2-26 |
| **Max Current** | 10A | 25A | 15A | 25A | 15A | 20A | 25A | 30A |
| **Max Voltage** | 300V | 300V | 300V | 600V | 300V | 300V | 300V | 600V |
| **Wire Range (AWG)** | 18-22 | 12-22 | 14-22 | 12-22 | 14-22 | 12-22 | 12-22 | 10-18 |
| **Description** | Molded to lenght | Molded to lenght | Molded to lenght | Molded to lenght | Molded to lenght, Modular | Molded to lenght | Double Level snapped to lenght | Molded to lenght |

### DUAL BARRIER

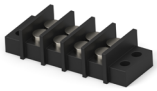
| |  | | |  | |  |
|---|---|---|---|---|---|---|
| | .250” | 0.325” | 0.325” | 0.375” | 0.375” | 0.4375” |
| **Series** | 1546657 | 4DB | 1546734 | JC6 | NC6 | SSB7 |
| **Pitch (in)** | .250” | 0.325” | 0.325” | 0.375” | 0.375” | 0.4375” |
| **Circuits** | 2-30 | 2-30 | 2-16 | 2-16 | 2-30 | 2-27 |
| **Max Current** | 10A | 20A | 20A | 20A | 20A | 20A |
| **Max Voltage** | 300V | 150V/ 300V | 300V | 300V | 300V | 600V |
| **Wire Range (AWG)** | 16-30 | 14-22 | 12-22 | 12-22 | 12-22 | 12-26 |
| **Description** | Molded to length | Molded to length | High Rise, Molded to length | Molded to length | Low Profile version, Molded to length | Cut to length |

# BUCHANAN TERMINAL BLOCKS

## DOUBLE ROW

| |  |  |  |  |  |
|---|---|---|---|---|---|
| | 0.374” | 0.433” | 0.437” | 0.563” | |
| **Series** | 1546306<br>1546307 | 1546481<br>1546477 | 1546670<br>1546671 | 1546310<br>1546311 | 1776544<br>1986158 |
| **Pitch (in)** | 0.374” | 0.433” | 0.437” | 0.563” | 0.563” |
| **Circuits** | 2-30 | 2-26 | 2-26 | 2-18 | 2-18 |
| **Max Current** | 20A | 25A | 25A | 30A | 30A |
| **Max Voltage** | 300V | 300V | 300V | 300V | 600V |
| **Wire Range (AWG)** | 12-22 | 14-22 | 14-22 | 10-22 | 10-22 |
| **Description** | Panel Mount, molded to length | Panel Mount, molded to length | Panel Mount, molded to length | Panel Mount, molded to length | Panel Mount, molded to length |

## DOUBLE ROW DUAL BARRIER

| |  | |
|---|---|---|
| | 0.325” | 0.325” |
| **Series** | USB | SSB3 |
| **Pitch (in)** | 0.325” | 0.325” |
| **Circuits** | 2-12 | 2-36 |
| **Max Current** | 10A | 15A |
| **Max Voltage** | 300V | 300V |
| **Wire Range (AWG)** | n/a | 14-26 |
| **Description** | For Series RSB3 & SSB3 | Cut to length |

## CATALOG NUMBER CODE

**SSB 3 F P 06 02 02 11 AA**

**Type of Block**

**SSB** = Dual Barrier
**RSB** = Tri-Barrier

**Contact Spacing**

**3** = 0.325”
**6** = 0.375”
**7** = 0.4375”

**Base Options**

**C =** Closed Base
**F =** Flat Base
**R =** Raised Base
**T =** Turret Base

**or**

**Mounting Piece Options**

**R =** Right-angle mounting, without bracket
**V =** Vertical mounting

**Mounting Options**

**E =** Open end positions, with mounting inserts, with end barriers
**F =** Open end positions, without mounting inserts, without end barriers
**G =** Open end positions, with mounting inserts, without end barriers
**H =** All positions filled with contacts, without end barriers
**M =** Open end positions, without mounting inserts, with end barriers
**P =** All positions filled with contacts, with end barriers
**T =** Threaded mounting plate in each end position

**Number of Circuits**

02 through **XX**

**Terminal Options**

**Top Hardware Options**

**Circuit Identification Options**

**First Number in Series Designator A**

### OPTIONAL TERMINAL IDENTIFICATION

Select the desired version from the list below and add the CODE NUMBER (11, 12, 15 or 16) to the end of the catalog number of the connector or header.

CODE

11 = 1 2 3 4 . . .

12 = . . . 4 3 2 1

15 = . . . ↯ Ɜ Ƽ ⅃

16 = ⅃ Ƽ Ɜ ↯ . . .

“First Number In Series” Designator*

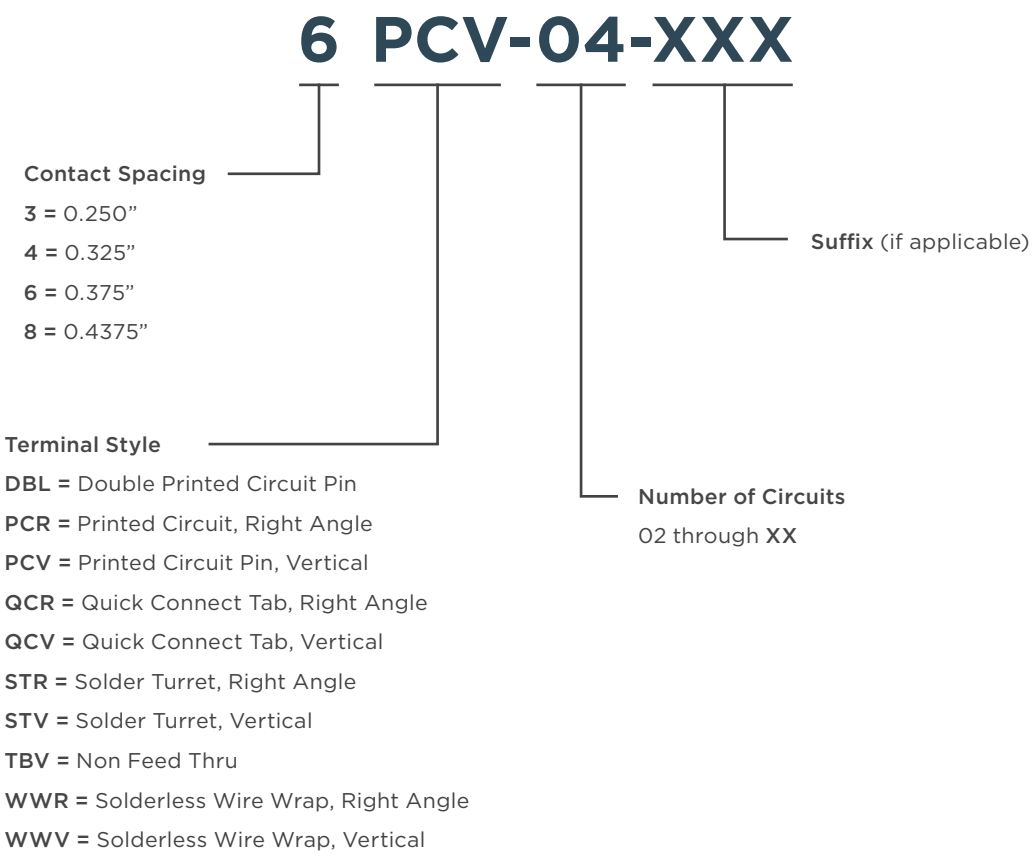
| | |
|---|---|
| A = 1 | F = 6 |
| B = 2 | G = 7 |
| C = 3 | H = 8 |
| D = 4 | J = 9 |
| E = 5 | K = 0 |

* Letters in this position designate the first number to be used in the consecutive sequence. Ex.: “A” would start the sequence with the number

1. “EK” would start the sequence with the number 50. “BKK” would start the series with 200. For non-sequential numbering and special characters, consult Technical Support.

**Note**: Some catalog number combinations are not valid. Check appropriate catalog pages before ordering. Catalog numbering code applies only to the catalog numbers on pages 182, 208-212, 229.

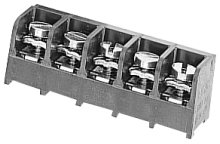
## CATALOG NUMBER CODE (CONTINUED)




**Note**: Some catalog number combinations are not valid. Check appropriate catalog pages before ordering. Catalog numbering code applies only to the catalog numbers on pages 182, 208-212, 229.

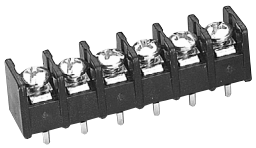
## BARRIER STRIPS – OVERVIEW

## TWO TYPES OF BARRIER STRIPS AND A LINE OF SOCKETS



### TRI-BARRIER

Three walls or barriers surround each terminal screw. The back wall safeguards field wiring.



### DUAL BARRIER

Two walls or barriers are molded on each side of the terminal screw.

### WIRE CLAMP SCREWS

The lower surface and edges of the clampingplates are carefully designed to securely clamp the wire - even combinations of different wire sizes - without severing stranded wire. Extra care has been taken to produce these components without burrs on any critical clamping surface or edges.

### RESILIENT PLASTIC BARRIERS

Flexible thermoplastic material for terminal blocks was an especially important feature at the time of its introduction, since many earlier blocks were molded of more rigid, brittle thermosetting plastic compounds.

### WIRE-READY RAISED SCREWS

Wire-ready raised screws are standard on BUCHANAN terminal blocks. No need to back off the screw first. Just insert the wire and drive down the screw. Wire installation time and effort are virtually cut in half.

### INTEGRAL STANDOFFS

Standoffs help rid your PCB of any remaining corrosive agents during rinsing operations. Helps prevent trapped solutions in the immediate PC pin area. Significantly reduces the risk of postwave corrosion problems.

### GAS-TIGHT CONNECTIONS

The acid-tin plating on our terminals means more than just improved shelf-life and superior solderability. It is to provide the very basis for the heart of your wire connections.

### QUALITY PLATING

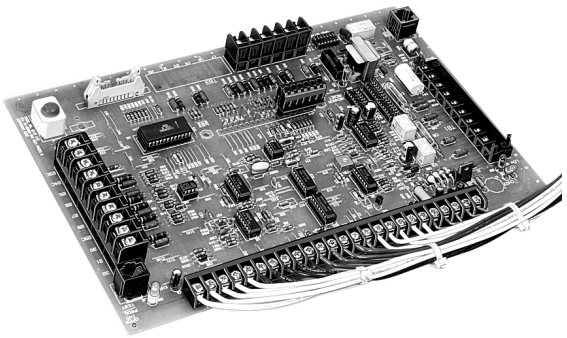
TE has been known for its plating, especially on the tin-plated components, and has maintained stringent plating specifications to provide a better performing, more reliable product. (Terminals meet or exceed TE Specification 109-11-1.)

### UL RECOGNITION AND CSA CERTIFICATION

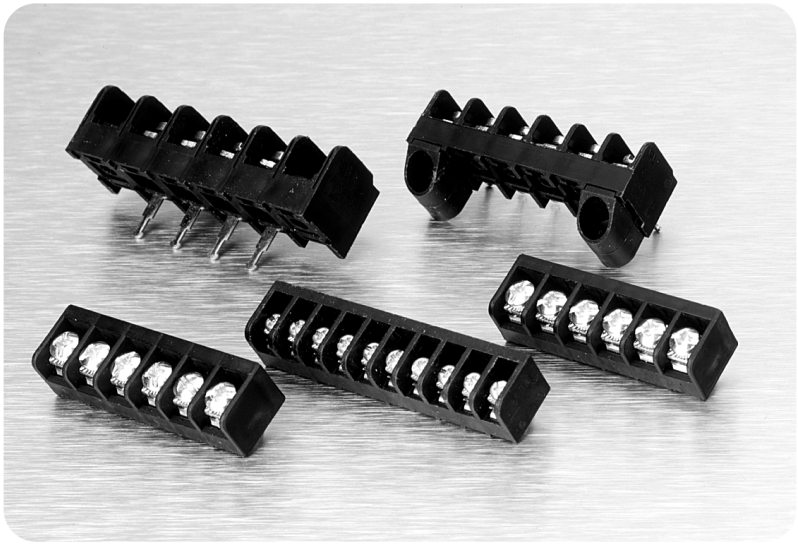
Certification Terminal blocks and interconnect components are Recognized under the Component Recognition Program of Underwriters Laboratories Inc. and Certified by Canadian Standards Association. (Consult individual sections of this catalog for status of a specific series.)

### TYPICAL APPLICATION

Pictured below is a PC board with barrier strips and sockets wave soldered to it.



# TRI-BARRIER STRIPS



## INTRODUCTION

Tri-Barrier blocks help contain stray or frayed wire ends. This helps prevent electrical shorts - not only between positions on the same block, but also between other components immediately adjacent to the block. With today's highdensity PCB designs, this has become an increasingly important feature.

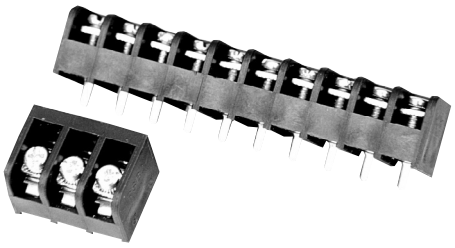
### PRODUCT FACTS

- Industrial controls and automation
- Machine tools
- HVAC/R
- Power supplies
- Security/Irrigation
- Transformers
- Design Advantages

- Back barriers to safeguard field wiring
- Fast wiring – backed-out wire-ready screws
- Interrupted thread designed to prevent screws from falling out
- Standoffs allow flux and solvents to drain during cleaning
- Molded-to-length or cut-tolength versions available
- Phil-slot screws are standard
- RoHS compatible

## #3 SERIES TRIBARRIER - .250”/6.35mm

### 3PCV-03-006 & 3PCV-10-006



### Material & Finish

- **Housing Material** - Polypropylene
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** Steel, zinc plating with clear chromate coating. Wire clamping screws standard

### Environmental Properties

- **Operating Temperature Range -** 105°C (221°F) max.
- **Circuit Identification -** page 224

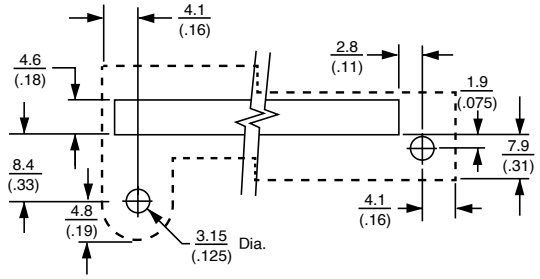
### Mechanical Properties

- **Pitch (terminal spacing) -** 0.250” (6.35)
- **Recommended PCB Hole Dia. -** 1.8mm (0.073”)
  Recommended Tightening Torque: 5.5 in.-lbs.

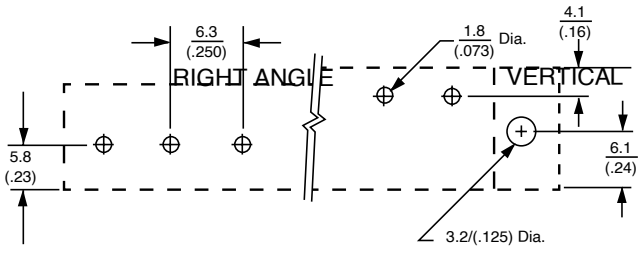
### Electrical Properties

- **Ratings -**
  UL Class C 10 Amps, 150V
  UL Class D 10 Amps, 300V
  CSA Type C 10 Amps, 150V
  CSA Type D 10 Amps, 300V
- **Wire Range -** 18-22 AWG

### Dimension [Unit: mm(in)]




MOUNTING PANEL LAYOUT




PRINTED CIRCUIT LAYOUT

## #3 SERIES TRIBARRIER - .250”/6.35mm

### ORDERING INFORMATION

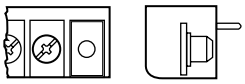
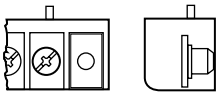
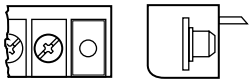
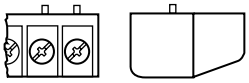
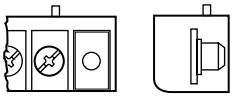
**3 PCV-04-006**
A B C D

**A** **Thread Size Spacing**
**3 =** #m3 on .250” Centers

**B** **Terminal Style**
**PCV =** Printed Circuit Pin, Vertical
**PCR =** Printed Circuit, Right Angle
**STV =** Solder Turret, Vertical
**STR =** Solder Turret, Right Angle
**WWV =** Solderless Wire Wrap, Vertical

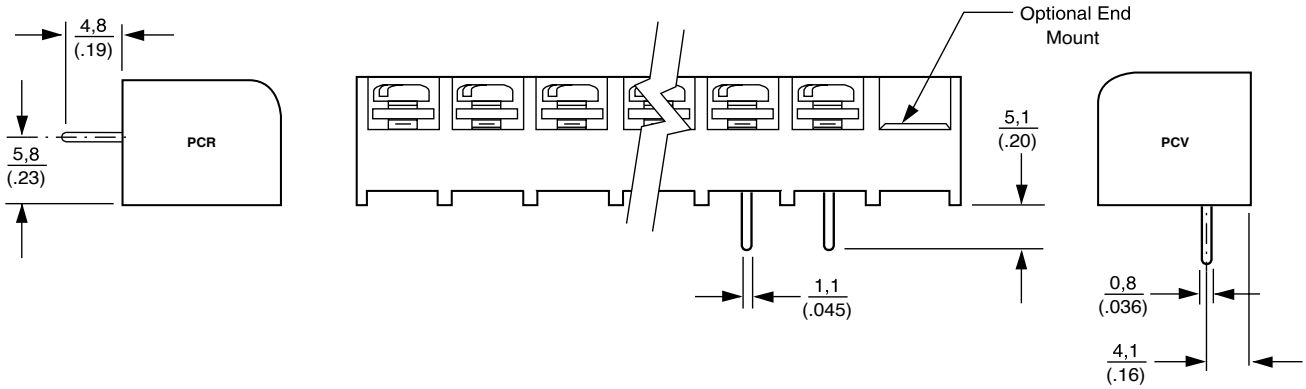
**C** **No. of Circuits** (Not Positions)
**02** through **32**

**D** **Modifier**
Use table below

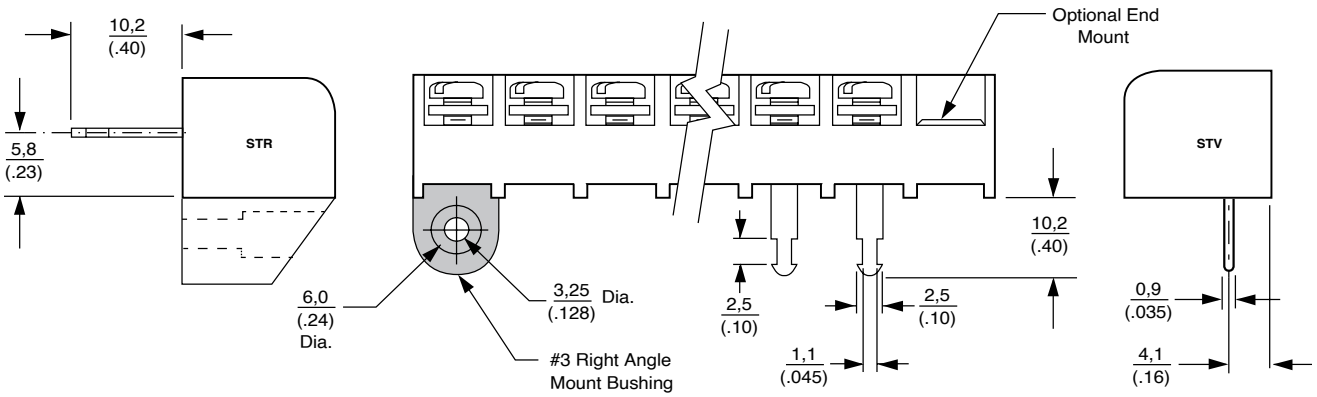
| Terminal Style | Modifier Phil-slot Head | Screw Style | Mounting Construction |
|---|---|---|---|
| PCV | 006 | Wire Clamp | No Mounting |
| | 008 | Wire Clamp |  |
| PCR | 006 | Wire Clamp | No Mounting |
| | 008 | Wire Clamp |  |
| STV<br>WWV | 006 | Wire Clamp |  |
| | 008 | Wire Clamp | No Mounting |
| STR | 006 | Wire Clamp |  |
| | 008 | Wire Clamp |  |

## #3 SERIES TRIBARRIER - .250”/6.35mm (CONTINUED)

### PRINTED CIRCUIT PIN

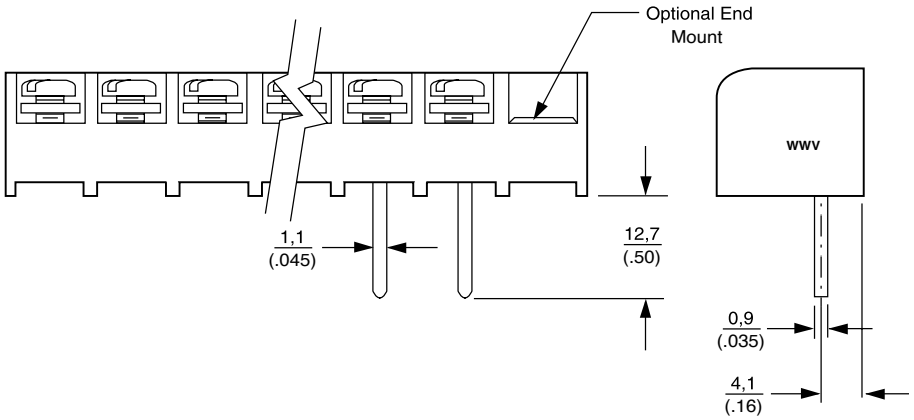



### SOLDER TURRET

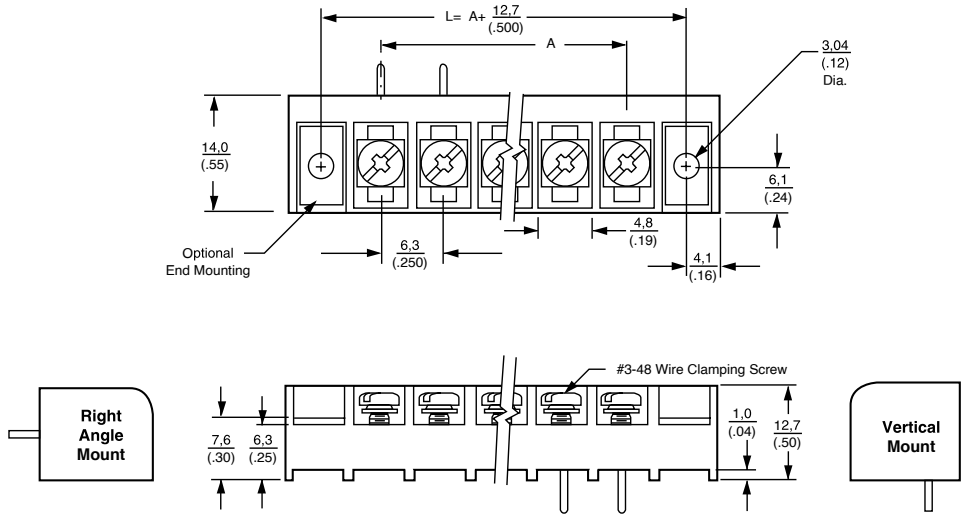



### WIRE WRAP

#3WWR not available



## #3 SERIES TRIBARRIER - .250”/6.35mm (CONTINUED)

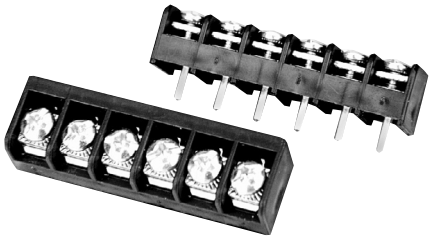



| No. of Positions | Dim. A |
|---|---|
| 2 | 0.25 (6.3) |
| 3 | 0.50 (12.7) |
| 4 | 0.75 (19.0) |
| 5 | 1.00 (25.4) |
| 6 | 1.25 (31.7) |
| 7 | 1.50 (38.1) |
| 8 | 1.75 (44.4) |
| 9 | 2.00 (50.8) |
| 10 | 2.25 (57.1) |
| 11 | 2.50 (63.5) |
| 12 | 2.75 (69.8) |
| 13 | 3.00 (76.2) |
| 14 | 3.25 (82.5) |
| 15 | 3.50 (88.9) |
| 16 | 3.75 (95.2) |
| 17 | 4.00 (101.6) |

| No. of Positions | Dim. A |
|---|---|
| 18 | 4.25 (107.9) |
| 19 | 4.50 (114.3) |
| 20 | 4.75 (120.6) |
| 21 | 5.00 (127.0) |
| 22 | 5.25 (133.3) |
| 23 | 5.50 (139.7) |
| 24 | 5.75 (146.0) |
| 25 | 6.00 (152.4) |
| 26 | 6.25 (158.8) |
| 27 | 6.50 (165.1) |
| 28 | 6.75 (171.5) |
| 29 | 7.00 (177.8) |
| 30 | 7.25 (184.2) |
| 31 | 7.50 (190.5) |
| 32 | 7.75 (196.9) |

## #4 SERIES TRIBARRIER - .325”/8.26mm

### 4PCV-06-006



### Material & Finish

- **Housing Material** - Polyamide
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** #4-40 steel, zinc plating with clear chromate coating. Wire clamping screw and binding head screw available

### Environmental Properties

- **Operating Temperature Range -** 105°C (221°F) max.
- **Circuit Identification** - page 224

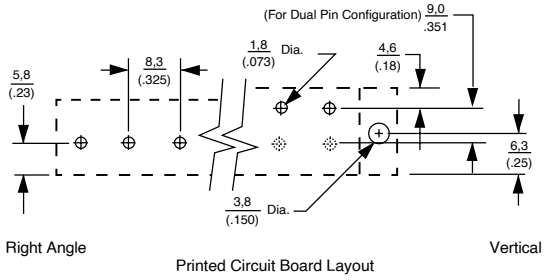
### Mechanical Properties

- **Pitch (terminal spacing)** - 0.325” (8.255)
- **Recommended PCB Hole Dia.** - 1.8mm (0.073”)
- **Recommended Tightening Torque:** 7 in.-lbs. max.

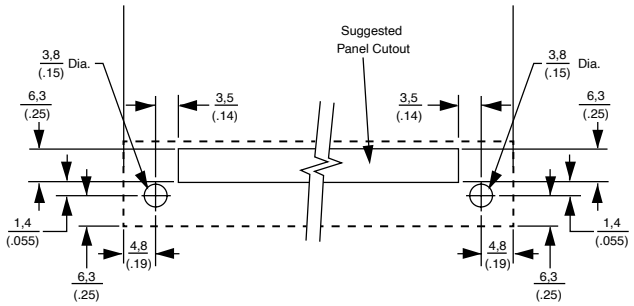
### Electrical Properties

- **Ratings -**
  UL Class C 20 Amps, 150V
  UL Class D 10 Amps, 300V
  CSA Type C 20 Amps, 150V
  CSA Type D 10 Amps, 300V
- **Wire Range** - 12-22 AWG

### Dimension [Unit: mm(in)]




Printed Circuit Board Layout




Panel Layout

## #4 SERIES TRIBARRIER - .325”/8.26mm (CONTINUED)

### ORDERING INFORMATION

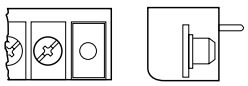
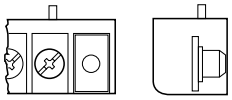
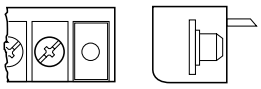
**4 PCV-04-006**
A B C D

**A** **Screw Size Spacing**
**4 =** #4-40 on .325” Centers

**B** **Terminal Style**
**DBL =** Double Printed Circuit Pin
**PCR =** Printed Circuit, Right Angle
**PCV =** Printed Circuit Pin, Vertical
**WWV =** Solderless Wire Wrap, Vertical

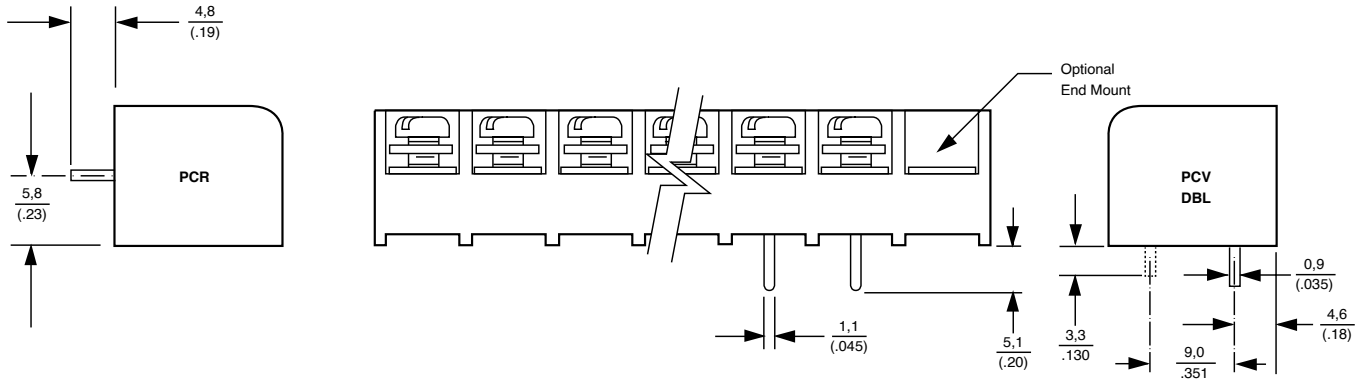
**C** **No. of Circuits** (Not Positions)
**02** through **30**

**D** **Modifier**
Use table below

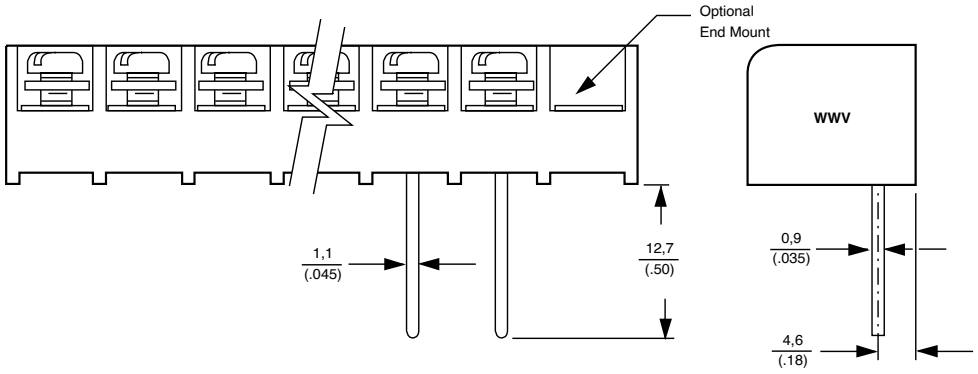
| Terminal Style | Modifier Phil-slot Head | Screw Style | Mounting Construction |
|---|---|---|---|
| DBL | 006 | Wire Clamp | No Mounting |
| PCV | 006 | Wire Clamp | No Mounting |
| | 008 | Wire Clamp |  |
| PCR | 006 | Wire Clamp | No Mounting |
| | 008 | Wire Clamp |  |
| WWV | 006 | Wire Clamp |  |
| | 008 | Wire Clamp | No Mounting |

## #4 SERIES TRIBARRIER - .325”/8.26mm (CONTINUED)

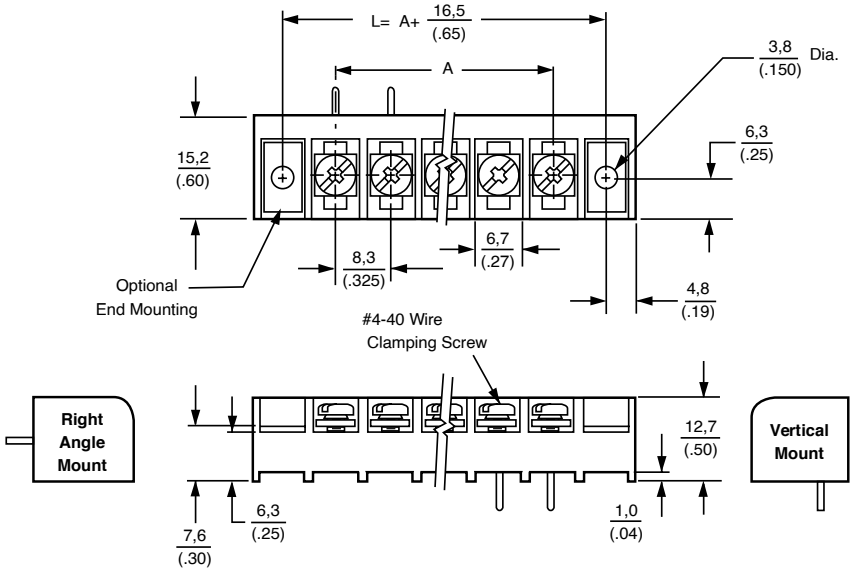
### PRINTED CIRCUIT PIN




### SOLDER TURRET




## #4 SERIES TRIBARRIER - .325”/8.25mm



## #4 SERIES TRIBARRIER - .325”/8.26mm

| No. of Positions | Dim. A |
|---|---|
| 2 | 8.2 (0.325) |
| 3 | 16.5 (0.65) |
| 4 | 24.7 (0.97) |
| 5 | 33.0 (1.30) |
| 6 | 41.3 (1.62) |
| 7 | 49.5 (1.95) |
| 8 | 57.8 (2.27) |
| 9 | 66.0 (2.60) |
| 10 | 74.3 (2.92) |
| 11 | 82.5 (3.25) |
| 12 | 90.8 (3.57) |
| 13 | 99.1 (3.90) |
| 14 | 107.3 (4.22) |
| 15 | 115.6 (4.55) |
| 16 | 123.8 (4.87) |
| 17 | 132.1 (5.20) |
| 18 | 140.3 (5.52) |
| 19 | 148.6 (5.85) |
| 20 | 156.8 (6.17) |
| 21 | 165.1 (6.50) |
| 22 | 173.3 (6.82) |
| 23 | 181.6 (7.15) |
| 24 | 189.9 (7.47) |
| 25 | 198.1 (7.80) |
| 26 | 206.4 (8.13) |
| 27 | 214.6 (8.45) |
| 28 | 222.9 (8.78) |
| 29 | 231.1 (9.10) |
| 30 | 239.4 (9.43) |

# TRI-BARRIER STRIPS WITH ATTACHED SAFETY COVERS, .325” [8.26mm] CENTERLINE



## PRODUCT FACTS

- Screwdriver access holes in cover allow for efficient wiring; cover may remain closed

### Material & Finish

- **Insulator Body -** UL 94V-0, Thermoplastic, black
- **Terminal -** Brass, tin-plated

### Environmental Properties

- **Operating Temperature Range -** -40°C to +120°C (-104°F to +248°F)
- **Circuit Identification** -page 224

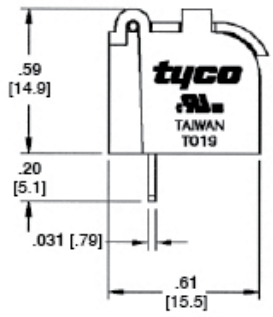
### Mechanical Properties

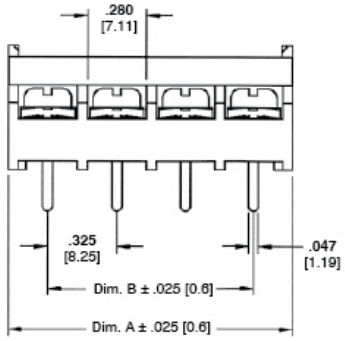
- **Recommended screw tightening torque -** 12 in-lbs
- Combination drive screws with #2 Phillips recess and standard slot

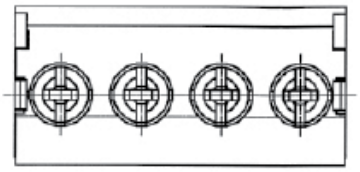
### Electrical Properties

- **Current Rating -** 15 A
- **Voltage Rating -** 300 VAC/DC
- **Wire Range** - 22-14 AWG, Cu, Solid or Stranded

### Dimension [Unit: mm(in)]



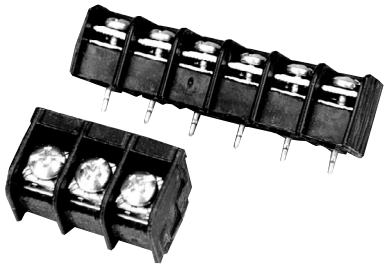
## PRODUCT INFORMATION

| No. of Positions* | Dimensions | | Part Numbers |
|---|---|---|---|
| | A | B | |
| 2 | 0.697 (17.7) | 0.325 (08.3) | 1546927-2 |
| 3 | 1.022 (26.0) | 0.650 (16.5) | 1546927-3 |
| 4 | 1.347 (34.2) | 0.975 (24.8) | 1546927-4 |
| 5 | 1.672 (42.5) | 1.300 (33.0) | 1546927-5 |
| 6 | 1.997 (50.7) | 1.625 (41.3) | 1546927-6 |
| 7 | 2.322 (59.0) | 1.950 (49.5) | 1546927-7 |
| 8 | 2.647 (67.2) | 2.275 (57.8) | 1546927-8 |

*Contact TE for larger position sizes.
**Note:** Samples available in Sample Room.

## #6 SERIES TRIBARRIER - .375”/9.53mm

### 6PCV-03-006 & 6PCV-06-006



### Material & Finish

- **Housing Material** - Polyamide
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** #6-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws with undercut available

### Mechanical Properties

- **Pitch (terminal spacing)** - 0.375” (0.525)
- **Recommended PCB Hole Dia.** - 1.8mm (0.073”)

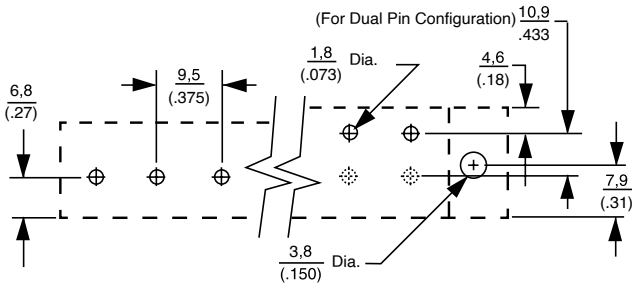
### Electrical Properties

- **Ratings -**
  UL Class C 25 Amps, 300V
  UL Class D 5 Amps, 600V
  CSA Type C 25 Amps, 300V
  CSA Type D 5 Amps, 600V
- **Wire Range** - 18-22 AWG

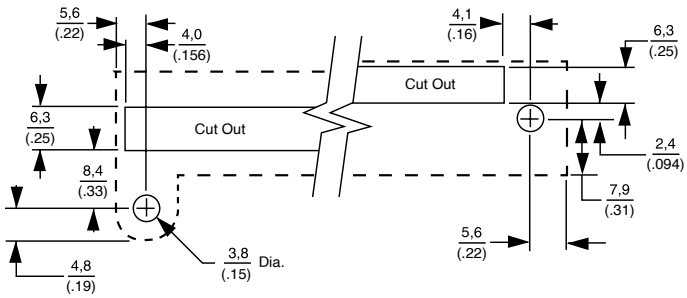
### Environmental Properties

- **Operating Temperature Range -** 105°C (221°F) max.
- **Circuit Identification** - page 224

### Dimension [Unit: mm(in)]




Right Angle Vertical
Printed Circuit Board Layout




Right Angle Vertical
Mounting Panel Layout

## #6 SERIES TRIBARRIER - .375”/9.53mm (CONTINUED)

### ORDERING INFORMATION

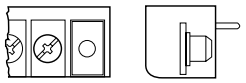
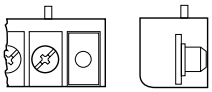
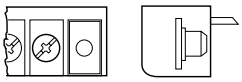
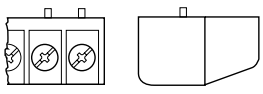
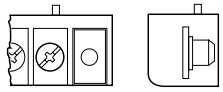
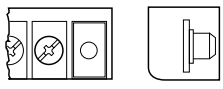
**6 PCV-04-006**
A B C D

**A** **Screw Size Spacing**
**6 =** #6-32 on .375” Centers

**B** **Terminal Style**
**DBL =** Double Printed Circuit Pin
**PCR =** Printed Circuit, Right Angle
**PCV =** Printed Circuit Pin, Vertical
**STR =** Solder Turret, Right Angle
**STV =** Solder Turret, Vertical
**TBV =** Non Feed Thru
**WWR =** Solderless Wire Wrap, Right Angle
**WWV =** Solderless Wire Wrap, Vertical

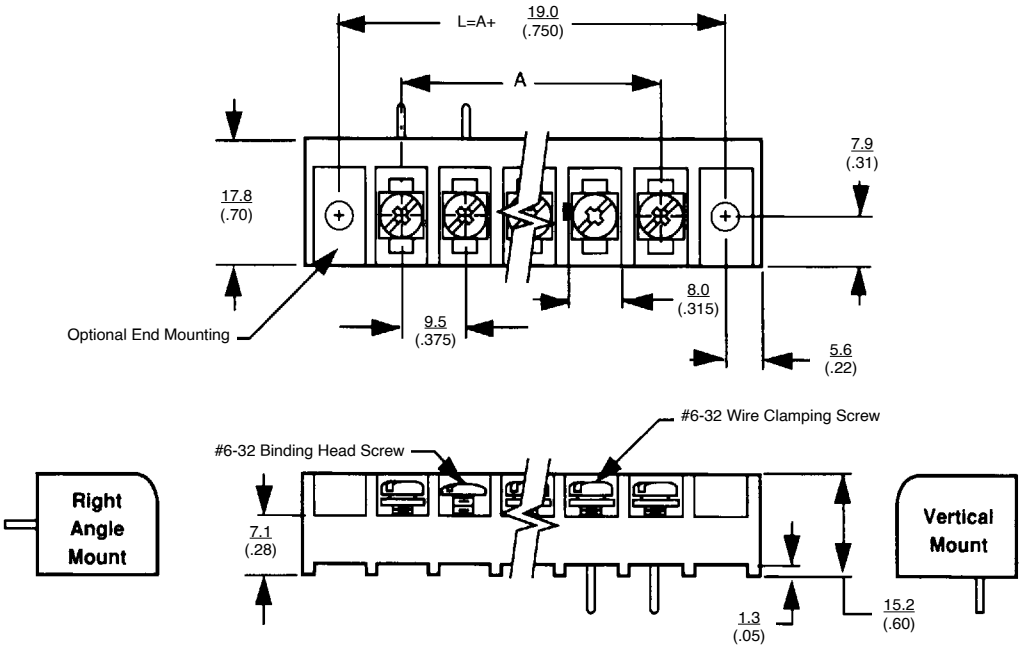
**C** **No. of Circuits** (Not Positions)
**02** through **30**

**D** **Modifier**
Use table below
-002=-006 except brass screw
-003=-007 except brass screw

| Terminal Style | Modifier Phil-slot Head | Screw Style | Mounting Construction |
|---|---|---|---|
| DBL | 006 | Wire Clamp | No Mounting |
| | 007 | Binding Head | |
| PCV | 006 | Wire Clamp | No Mounting |
| | 007 | Binding Head | |
| | 008 | Wire Clamp |  |
| | 009 | Binding Head | |
| PCR | 006 | Wire Clamp | No Mounting |
| | 007 | Binding Head | |
| | 008 | Wire Clamp |  |
| | 009 | Binding Head | |
| STV<br>WWV | 006 | Wire Clamp |  |
| | 008 | Wire Clamp | No Mounting |
| STR<br>WWR | 006 | Wire Clamp |  |
| | 008 | Wire Clamp |  |
| TBV | 006 | Wire Clamp |  |

## #6 SERIES TRIBARRIER - .375”/9.53mm (CONTINUED)

### Dimension [Unit: mm(in)]

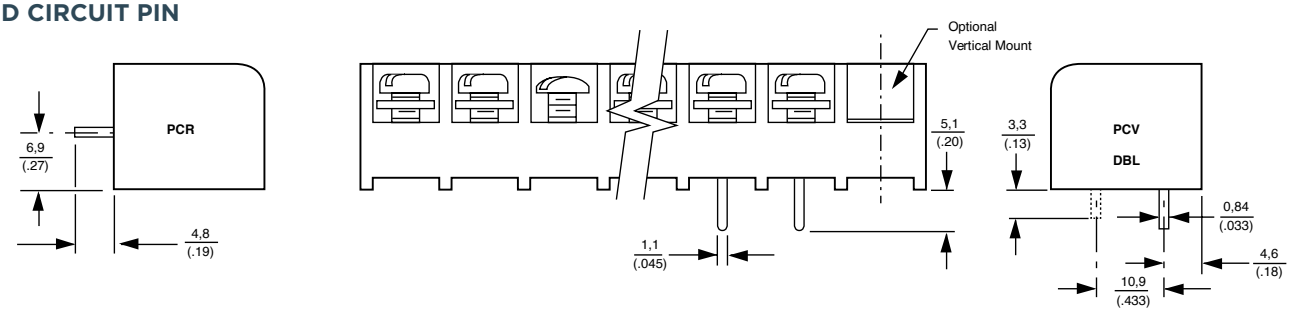



| No. of Positions | Dim. A |
|---|---|
| 2 | 8.2 (0.325) |
| 3 | 16.5 (0.65) |
| 4 | 24.7 (0.97) |
| 5 | 33.0 (1.30) |
| 6 | 41.3 (1.62) |
| 7 | 49.5 (1.95) |
| 8 | 57.8 (2.27) |
| 9 | 66.0 (2.60) |
| 10 | 74.3 (2.92) |
| 11 | 82.5 (3.25) |
| 12 | 90.8 (3.57) |
| 13 | 99.1 (3.90) |
| 14 | 107.3 (4.22) |
| 15 | 115.6 (4.55) |
| 16 | 123.8 (4.87) |

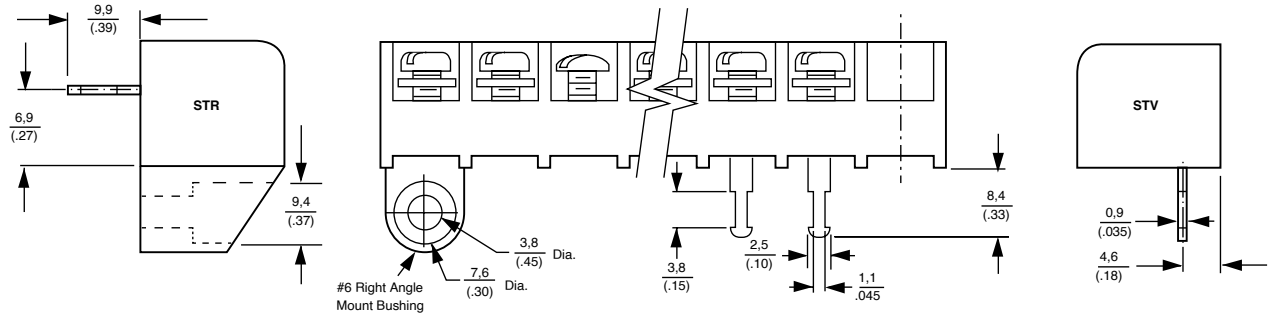
| No. of Positions | Dim. A |
|---|---|
| 17 | 132.1 (5.20) |
| 18 | 140.3 (5.52) |
| 19 | 148.6 (5.85) |
| 20 | 156.8 (6.17) |
| 21 | 165.1 (6.50) |
| 22 | 173.3 (6.82) |
| 23 | 181.6 (7.15) |
| 24 | 189.9 (7.47) |
| 25 | 198.1 (7.80) |
| 26 | 206.4 (8.13) |
| 27 | 214.6 (8.45) |
| 28 | 222.9 (8.78) |
| 29 | 231.1 (9.10) |
| 30 | 239.4 (9.43) |

# BUCHANAN TERMINAL BLOCKS

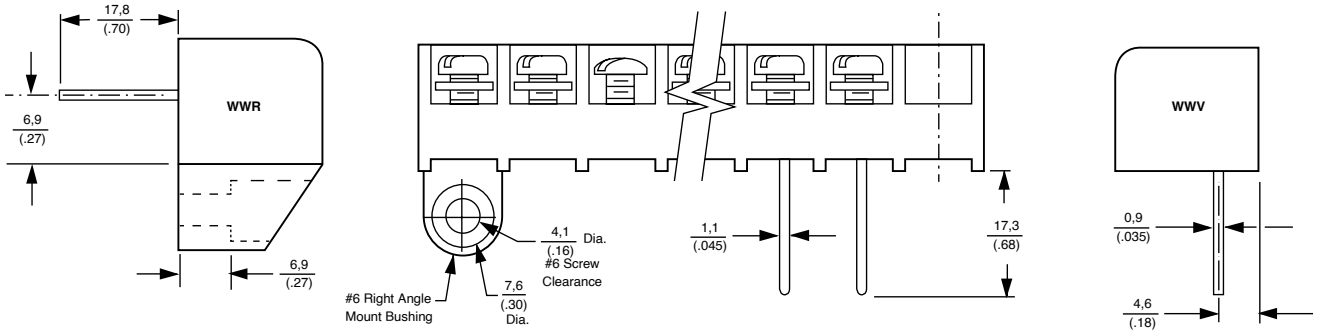
## PRINTED CIRCUIT PIN



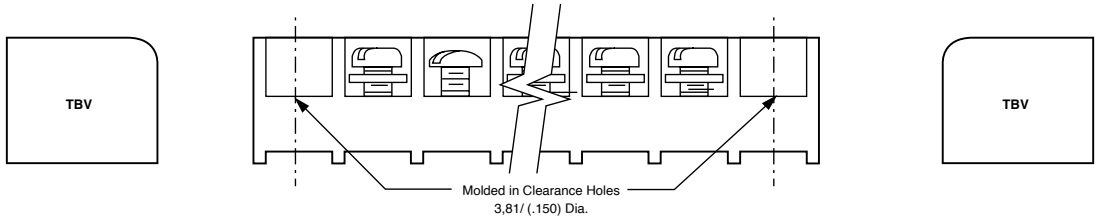

## SOLDER TURRET



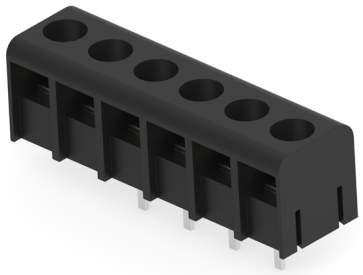

## WIRE WRAP




## NON-FEED THRU



## 0.375” [9.53mm] PITCH, MODULAR W/COVER, TRI-BARRIER



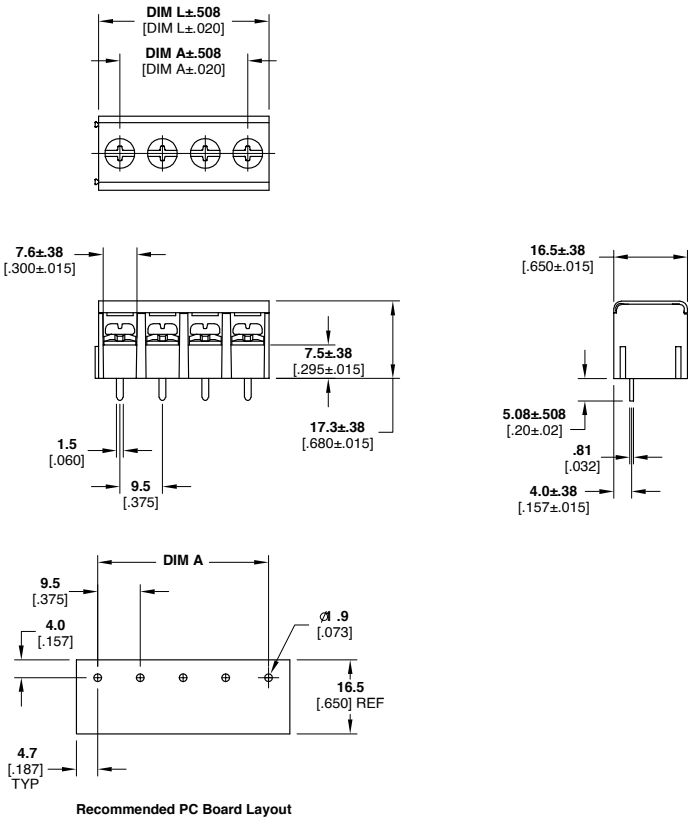
### Material & Finish

- **Housing Material** - Polyamide
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Brass, tin-plated
- **Screws -** m3.5, steel, nickel plated

### Environmental Properties

- **Operating Temperature Range -** -40°C to +120°C (-104°F to +248°F)
- **Circuit Identification** - page 224

### Dimension [Unit: mm(in)]




Recommended PC Board Layout

### Mechanical Properties

- **Pitch (terminal spacing)** - 0.375” (0.525)
- **Recommended PCB Hole Dia.** - 1.8mm (0.073”)
- **Recommended Tightening Torque** - 12 in.-lb.

### Electrical Properties

- **Ratings* -**
  UL Class B 15 Amps, 300V
  UL Class D 10 Amps, 300V

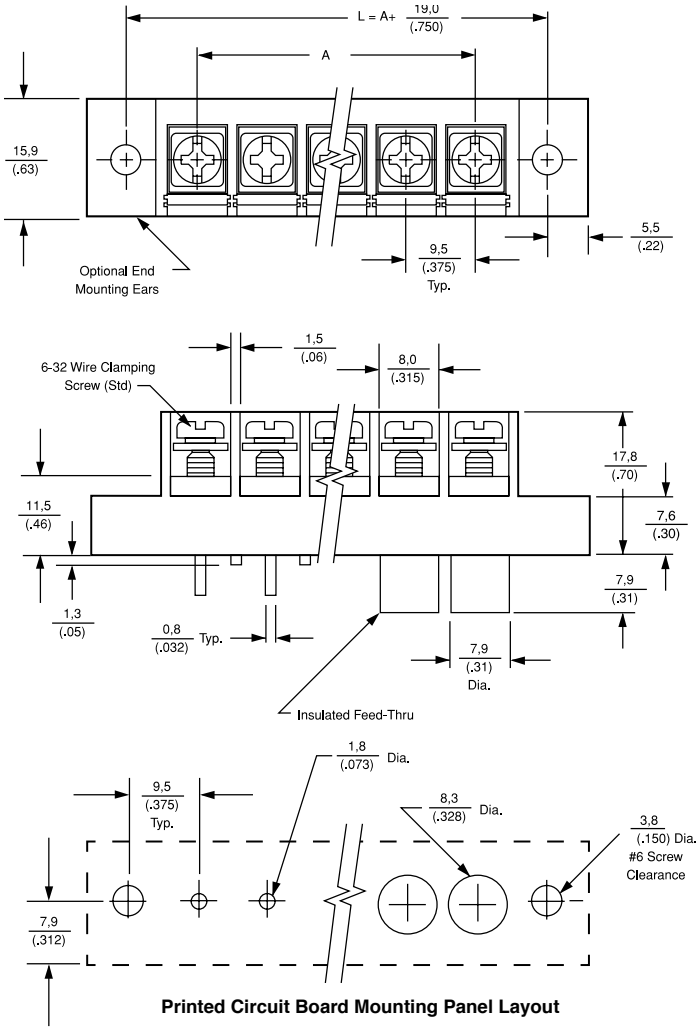
*Evaluated to U.S. and Canadian Standards.

- **Wire Range** - 18-22 AWG

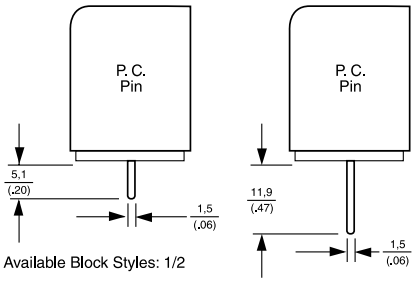
## PRODUCT INFORMATION

| No. of Positions | Dim. A | Part Numbers |
|---|---|---|
| 2 | .375 (9.5) | 1546833-2 |
| 3 | .750 (19.0) | 1546833-3 |
| 4 | 1.125 (28.6) | 1546833-4 |
| 6 | 1.875 (47.6) | 1546833-6 |

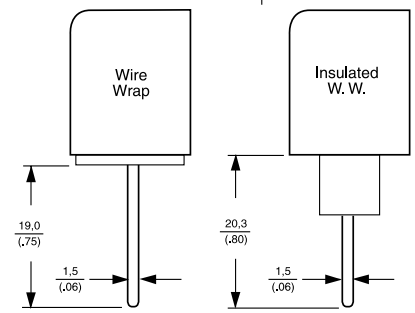
## Dimension [Unit: mm(in)]



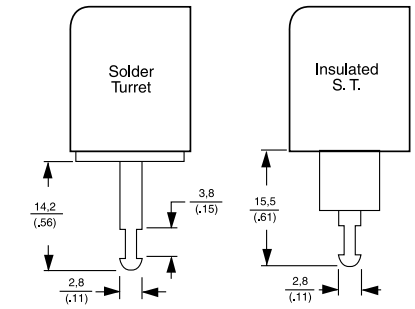

**Printed Circuit Board Mounting Panel Layout**



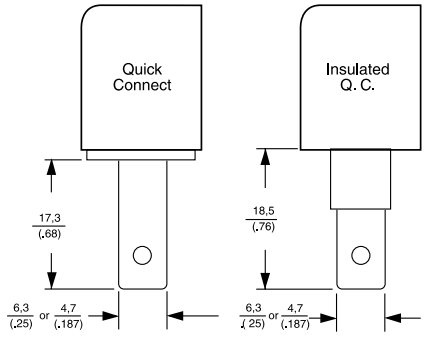

Available Block Styles: 1/2




Available Block Styles: 2/3/4/5/6




Available Block Styles: 2/3/4/5/6




Available Block Styles: 2/3/4/5/6

| No. of Positions | Dim. A |
|---|---|
| 2 | .375 (9.5) |
| 3 | .750 (19.1) |
| 4 | 1.125 (28.6) |
| 5 | 1.500 (38.1) |
| 6 | 1.875 (47.6) |
| 7 | 2.250 (57.1) |
| 8 | 2.625 (66.7) |
| 9 | 3.000 (76.2) |

| No. of Positions | Dim. A |
|---|---|
| 10 | 3.375 (85.7) |
| 11 | 3.750 (95.2) |
| 12 | 4.125 (104.8) |
| 13 | 4.500 (114.3) |
| 14 | 4.875 (123.8) |
| 15 | 5.250 (133.3) |
| 16 | 5.625 (142.9) |

## BC6 SERIES TRIBARRIER - .375”/9.53mm



### Material & Finish

- **Housing Material** - Polypropylene
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** #6-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws available

### Mechanical Properties

- **Pitch (terminal spacing)** - 0.375” (0.525)
- **Recommended PCB Hole Dia.** - 1.8mm (0.073”)

### Electrical Properties

- **Ratings -**
  UL Class C 20 Amps, 300V
  UL Class D 5 Amps, 600V
  CSA Type C 20 Amps, 300V
- **Wire Range** - 12-22 AWG

### Environmental Properties

- **Operating Temperature Range -** 105°C (221°F) max.
- **Circuit Identification** - page 224

## ORDERING INFORMATION

**BC6 - P - 1 08 - 08**
A B C D

**A** **Terminal Style**

**P=**Printed Circuit (available with 1,2,5 block style only)

**T=**Solder Turret

**Q=**Quick Connect .250

**W=**Solderless Wrap

**E=**Extended Circuit Board

**F=**Quick Connect .187

**B** **Block Style**

**1=**Flat, all positions filled (standard)

**2=**Flat, end mounting ears with holes (required for cover option)

**3=**Insulating turret, end mounting ears with holes (required for cover option)

**4=**Insulating turret, all positions filled

**5=**Flat, end positions open with mounting bushings

**6=**Insulating turret, end positions open with mounting bushings

**C** **Screw Hardware**

**07=**Steel binding combo head screw

**08=**Steel wire-clamp combo head screw (standard)

**05=**Brass binding combo head screw

**06=**Brass wire-clamp combo head screw

**D** **No. of Circuits** (Not Positions)

**02** to **25** circuits

## BC6 SERIES TRIBARRIER - .375”/9.53mm



### Material & Finish

- **Housing Material** - Thermoplastic polyamide
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** #6-32 steel, zinc plating with clear chromate coating.

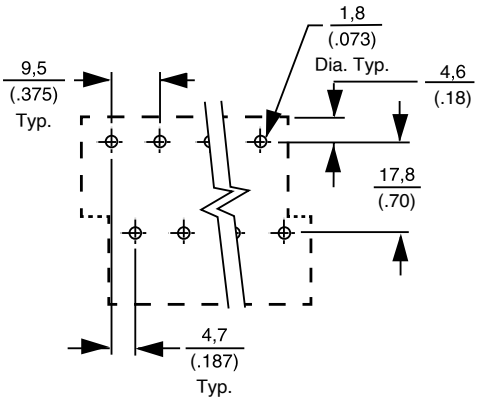
### Mechanical Properties

- **Pitch (terminal spacing)** - 0.375” (9.525)
- **Recommended PCB Hole Dia.** - 1.8mm (0.073”)

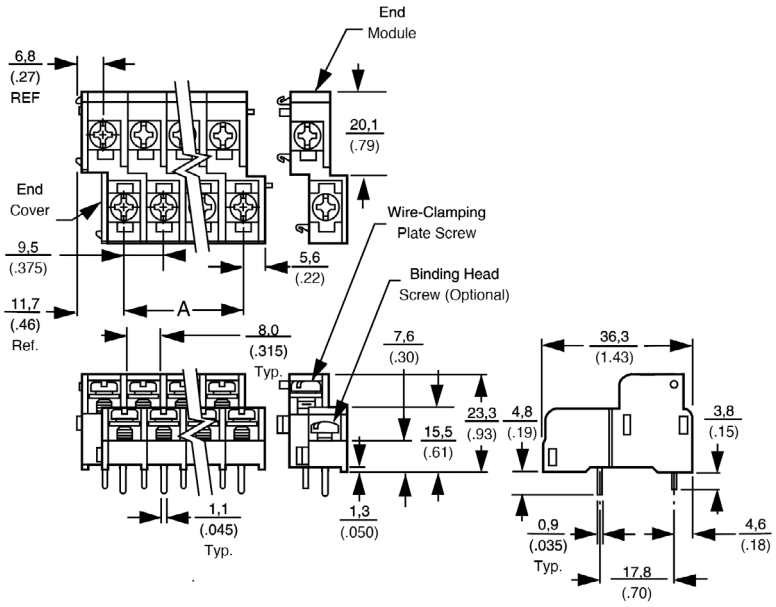
### Electrical Properties

- **Ratings -**
  UL Class C 25 Amps, 300V
  CSA Type C 25 Amps, 600V
- **Wire Range** - 12-22 AWG

### Dimension [Unit: mm(in)]




Printed Circuit Board Layout



## ORDERING INFORMATION

**MB6 - P1 - 08 - 04**
A B C D

**A Series**
**MB6=**Double Level, 0.375" Centers

**B Terminal Style**
**P1=**Printed Circuit Pin, Vertical

**C Screw Hardware**
**08=**Steel wire clamp combo head screws

**D No. of Circuits** (Not Positions)
**02** to **40** available in multiples of 2

| No. of Positions | Dim. A |
|---|---|
| 4 | 9.5 (0.375) |
| 6 | 19.1 (0.750) |
| 8 | 28.6 (1.125) |
| 10 | 38.1 (1.500) |
| 12 | 47.6 (1.875) |
| 14 | 57.1 (2.250) |
| 16 | 66.7 (2.625) |
| 18 | 76.2 (3.000) |
| 20 | 85.7 (3.375) |
| 22 | 95.2 (3.750) |
| 24 | 104.8 (4.125) |
| 26 | 114.3 (4.500) |
| 28 | 123.8 (4.875) |
| 30 | 133.3 (5.250) |
| 32 | 142.9 (5.625) |
| 34 | 152.4 (6.000) |
| 36 | 161.9 (6.375) |
| 38 | 171.4 (6.750) |
| *40 | 181.0 (7.125) |

* Longer lengths available.
Please consult Technical Support.

# #8 SERIES TRIBARRIER - .4375”/11.1mm

## #8 SERIES TRI-BARRIERS



### Material & Finish

- **Housing Material** - Polypropylene
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** #8-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws with undercut available

### Mechanical Properties

- **Pitch (terminal spacing)** - .4375” (11.1)
- **Recommended PCB Hole Dia.** - 1.8mm (0.073”)

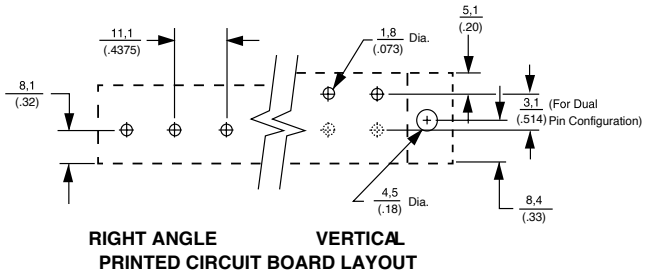
### Electrical Properties

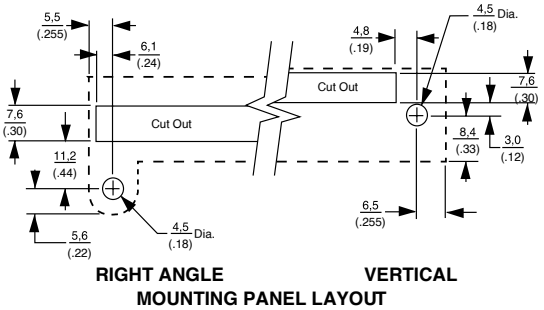
- **Ratings -**
  UL Class C 30 Amps, 600V
  CSA Type C 30 Amps, 600V
- **Wire Range** -
  10-18 AWG, (UL)
  10-22 AWG, (CSA)

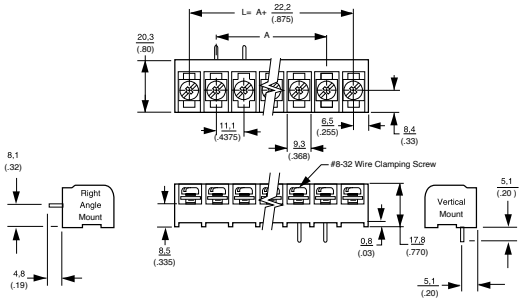
### Environmental Properties

- **Operating Temperature Range -** 105°C (221°F) max.
- **Circuit Identification** - page 224

### Dimension [Unit: mm(in)]



## #8 SERIES TRIBARRIER - .4375”/11.1 mm (CONTINUED)

| No. of Positions | Dim. A |
|---|---|
| 2 | 0.4375 (11.1) |
| 3 | 0.87 (22.2) |
| 4 | 1.31 (33.3) |
| 5 | 1.75 (44.5) |
| 6 | 2.19 (55.6) |
| 7 | 2.62 (66.7) |
| 8 | 3.06 (77.8) |
| 9 | 3.50 (88.9) |
| 10 | 3.93 (100.0) |
| 11 | 4.37 (111.1) |
| 12 | 4.81 (122.2) |
| 13 | 5.25 (133.3) |
| 14 | 5.69 (144.5) |
| 15 | 6.12 (155.6) |
| 16 | 6.56 (166.7) |
| 17 | 7.00 (177.8) |
| 18 | 7.44 (188.9) |
| 19 | 7.87 (200.0) |
| 20 | 8.31 (211.1) |
| 21 | 8.75 (222.2) |
| 22 | 9.19 (233.4) |
| 23 | 9.62 (244.5) |
| 24 | 10.06 (255.6) |
| 25 | 10.50 (266.7) |
| 26 | 10.94 (277.8) |

## #8 SERIES TRIBARRIER - .4375”/11.1 mm (CONTINUED)

### ORDERING INFORMATION

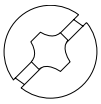
**8 PCV-04-006**
A B C D

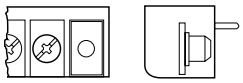
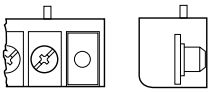
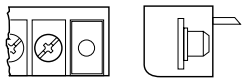
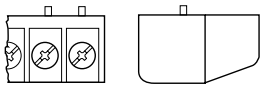
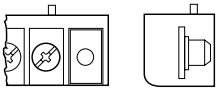
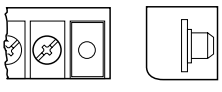
**A** **Screw Size Spacing**
**8 =** #8-32 on .4375” Centers

**C** **No. of Circuits** (Not Positions)
**02** through **26**

**D** **Modifier**
Use table below
-002=-006 except brass screw
-003=-007 except brass screw

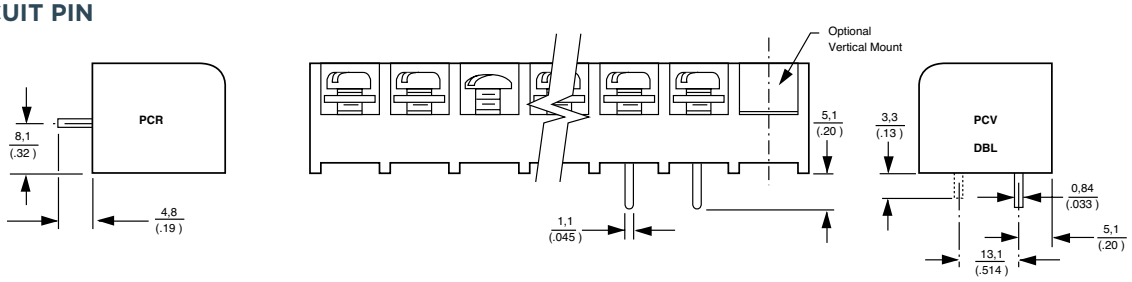
**B** **Terminal Style**
**DBL =** Double Printed Circuit Pin
**PCR =** Printed Circuit, Right Angle
**PCV =** Printed Circuit Pin, Vertical
**QCR =** Quick Connect Tab, Right Angle
**QCV =** Quick Connect Tab, Vertical
**STR =** Solder Turret, Right Angle
**STV =** Solder Turret, Vertical
**TBV =** Non Feed Thru
**WWR =** Solderless Wire Wrap, Right Angle
**WWV =** Solderless Wire Wrap, Vertical


Phil-slot Head

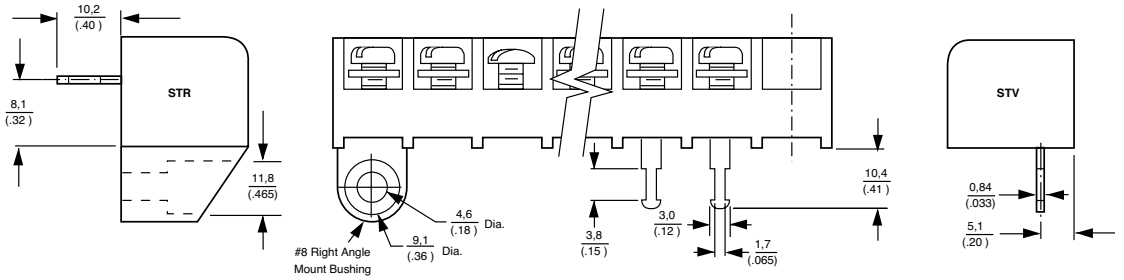
| Terminal Style | Modifier Phil-slot Head | Screw Style | Mounting Construction |
|---|---|---|---|
| DBL | 006 | Wire Clamp | No Mounting |
| | 007 | Binding Head | |
| PCV | 006 | Wire Clamp | No Mounting |
| | 007 | Binding Head | |
| | 008 | Wire Clamp |  |
| | 009 | Binding Head | |
| PCR | 006 | Wire Clamp | |
| | 007 | Binding Head | |
| | 008 | Wire Clamp |  |
| | 009 | Binding Head | |
| QCV<br>STV | 006 | Wire Clamp |  |
| WWV | 008 | Wire Clamp | No Mounting |
| QCR<br>STR | 006 | Wire Clamp |  |
| WWR | 008 | Wire Clamp |  |
| TBV | 006 | Wire Clamp |  |

## #8 SERIES TRIBARRIER - .4375”/11.1 mm (CONTINUED)

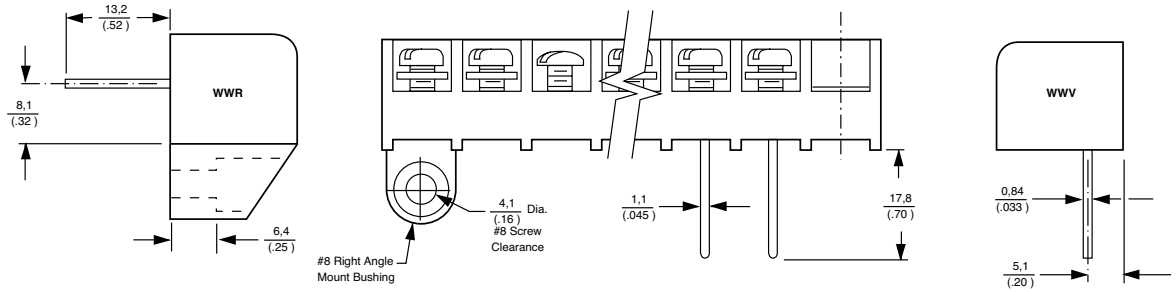
### PRINTED CIRCUIT PIN



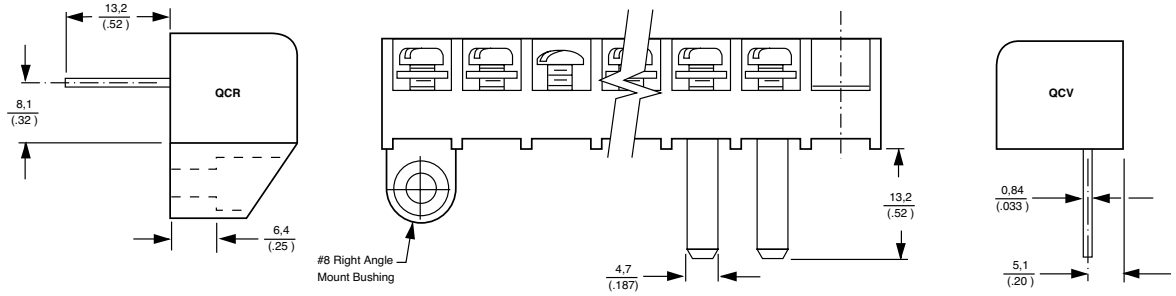

### SOLDER TURRET



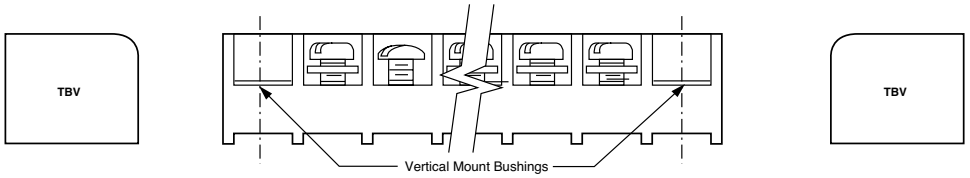

### WIRE WRAP




### QUICK CONNECT




### NON-FEED THRU



# DUAL BARRIER STRIPS



## INTRODUCTION

The Dual Barrier design provides a more costeffective solution than the Tri-Barrier Strips while still supplying many of the design advantages.

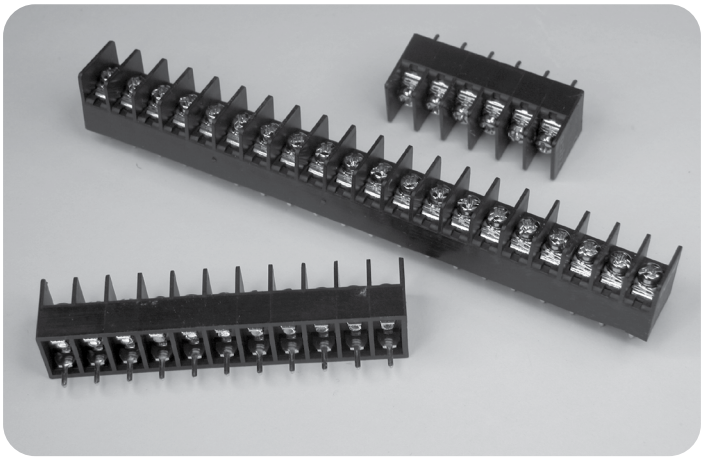
### PRODUCT FACTS

- Industrial controls and automation
- Machine tools
- HVAC/R
- Power supplies
- Security/Irrigation
- Transformers

### DESIGN ADVANTAGES

- Fast wiring – backed-out wire-ready screws
- Interrupted thread designed to prevent screws from falling out
- Standoffs allow flux and solvents to drain during cleaning
- Molded-to-length or cut-tolength versions available

## HIGH DENSITY .250 DUAL BARRIER - .250”/6.35mm



### PRODUCT FACTS

- High density accommodates today’s compact PCB layouts

### Material & Finish

- **Insulator Body -** UL 94V-0, Thermoplastic, black
- **Terminal -** Brass, tin-plated
- **Screw** - M3, Steel, nickel-plated

### Mechanical Properties

- **Recommended screw tightening torque -** 10 in-lbs
- Combination drive screws with #2 Phillips recess and standard slot

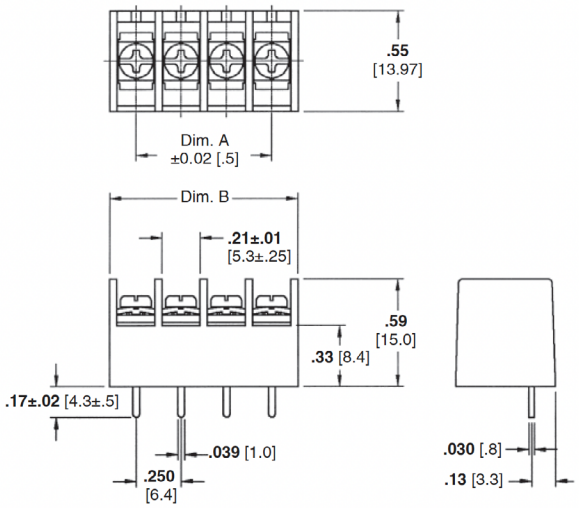
### Electrical Properties

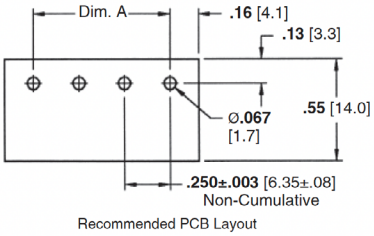
- **Current Rating -** 10 A
- **Voltage Rating -** 300 VAC/DC per UL and CSA standards
- **Wire Range** - 16-30 AWG, Copper, Solid or Stranded

### Environmental Properties

- **Operating Temperature Range -** -40°C to +221°F (-40°C to +115°C)
- **Circuit Identification -** page 224

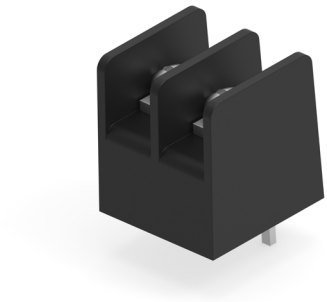
### Dimension [Unit: in(mm)]



Recommended PCB Layout

## HIGH DENSITY .250 DUAL BARRIER - .250”/6.35mm

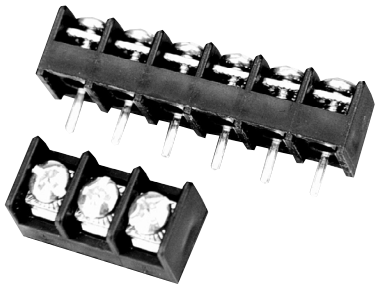


## PRODUCT INFORMATION

| No. of Positions* | Dimensions: in(mm) | | Part Numbers |
|---|---|---|---|
| | A | B | |
| 2 | 0.250 (6.35) | 0.54 (13.7) | 1546657-2 |
| 4 | 0.750 (19.1) | 1.04 (26.4) | 1546657-4 |
| 5 | 1.000 (25.4) | 1.29 (32.8) | 1546657-5 |
| 6 | 1.250 (31.8) | 1.54 (39.1) | 1546657-6 |
| 8 | 1.750 (44.4) | 2.04 (51.8) | 1546657-8 |
| 9 | 2.000 (50.8) | 2.29 (58.2) | 1546657-9 |
| 10 | 2.250 (57.2) | 2.54 (64.5) | 1-1546657-0 |
| 12 | 2.750 (69.9) | 3.04 (77.2) | 1-1546657-2 |

## 4DB SERIES DUAL BARRIER - .325”/8.26mm

**4DB-P108-##**



### Material & Finish

- **Housing Material** - Thermoplastic Polyamide
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** #6-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws available

### Mechanical Properties

- **Pitch (terminal spacing)** - 0.325” (9.525)
- **Recommended PCB Hole Dia.** - 1.7mm (0.07”)

### Electrical Properties

- **Ratings -**
  UL Class C 20 Amps, 150V
  UL Class D 10 Amps, 300V
  CSA Type B 20 Amps, 300V
  CSA Type C 20 Amps, 300V
  CSA Type D 10 Amps, 300V
  CSA Type E 20 Amps, 300V
- **Wire Range** - 12-22 AWG, (CSA)

### Environmental Properties

- **Operating Temperature Range -** 105°C (221°F) max.
- **Circuit Identification -** page 224

## ORDERING INFORMATION

**4DB - P 1 08 06**

A B C D E

**A** **Series**
**4DB=**Dual Barrier, 0.325” Centers

**B** **Terminal Style**
**P=**Printed Circuit (available with 1,2,5 block style only)
**W=**Wire Wrap
**R=**Right Angle

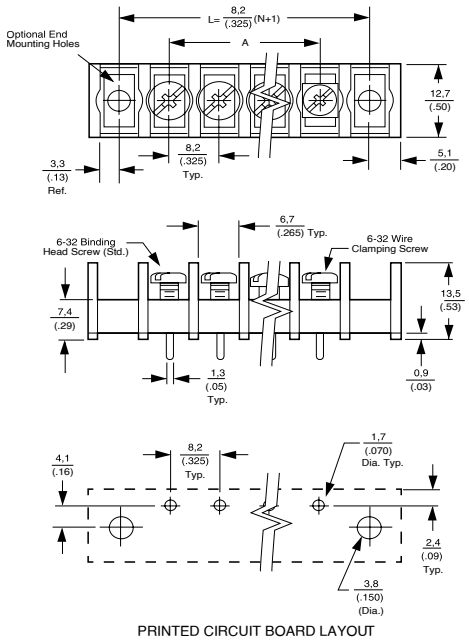
**C** **Block Style**
**1=**Flat, all positions filled
**2=**Flat, end mounting holes

**D** **Screw Type**
**07=**Steel binding combo head screws
**08=**Steel wire clamp combo head screws

**E** **No. of Circuits** (Not Positions)
**02** to **30** circuits

## 4DB SERIES DUAL BARRIER - .325”/8.26mm

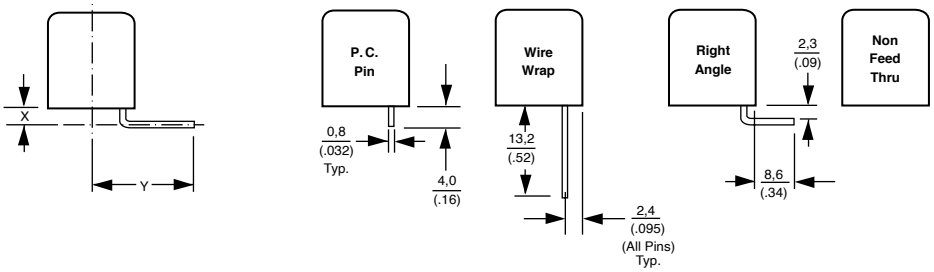
### Dimension [Unit: mm(in)]




PRINTED CIRCUIT BOARD LAYOUT

### BEND OPTIONS:

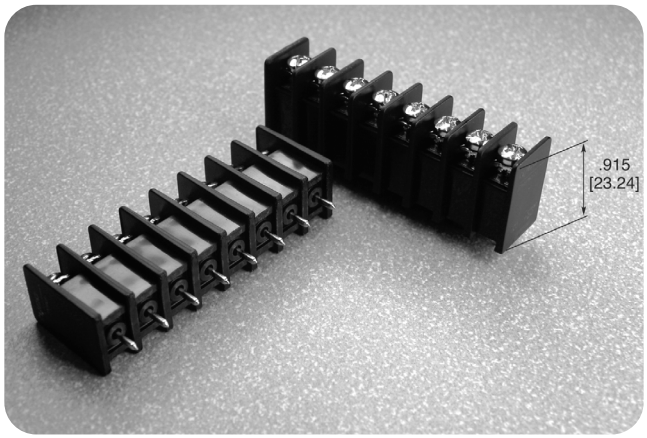
A variety of bend options are available. Please consult Technical Support for details.




| No. of Positions | Dim. A mm(in) |
|---|---|
| 2 | 8.2 (0.325) |
| 3 | 16.5 (0.650) |
| 4 | 24.8 (0.975) |
| 5 | 33.0 (1.300) |
| 6 | 41.3 (1.625) |
| 7 | 49.5 (1.950) |
| 8 | 57.8 (2.275) |
| 9 | 66.0 (2.600) |
| 10 | 74.3 (2.925) |
| 11 | 82.5 (3.250) |
| 12 | 90.8 (3.575) |
| 13 | 99.1 (3.900) |
| 14 | 107.3 (4.225) |
| 15 | 115.6 (4.550) |
| 16 | 123.8 (4.875) |

| No. of Positions | Dim. A mm(in) |
|---|---|
| 17 | 132.1 (5.200) |
| 18 | 140.3 (5.525) |
| 19 | 148.6 (5.850) |
| 20 | 156.8 (6.175) |
| 21 | 165.1 (6.500) |
| 22 | 173.3 (6.825) |
| 23 | 181.6 (7.150) |
| 24 | 190.0 (7.475) |
| 25 | 198.1 (7.800) |
| 26 | 206.4 (8.125) |
| 27 | 214.6 (8.450) |
| 28 | 222.8 (8.775) |
| 29 | 231.1 (9.100) |
| 30 | 239.4 (9.425) |

## HIGH RISE DUAL BARRIER STRIPS, - .325”/8.26mm




### PRODUCT FACTS

- High rise profile provides wire entry access on congested PC boards
- Space saving high rise design allows for dual-level wire entry when used with 4DB series barrier strips
- Captive screws provided in wire-ready position

### Material & Finish

- **Insulator Body -** UL 94V-0, Thermoplastic, black
- **Terminal -** Brass, tin-plated

### Mechanical Properties

- **Recommended screw tightening torque -** 10 in-lbs
- Combination drive screws with #2 Phillips recess and standard slot

### Electrical Properties

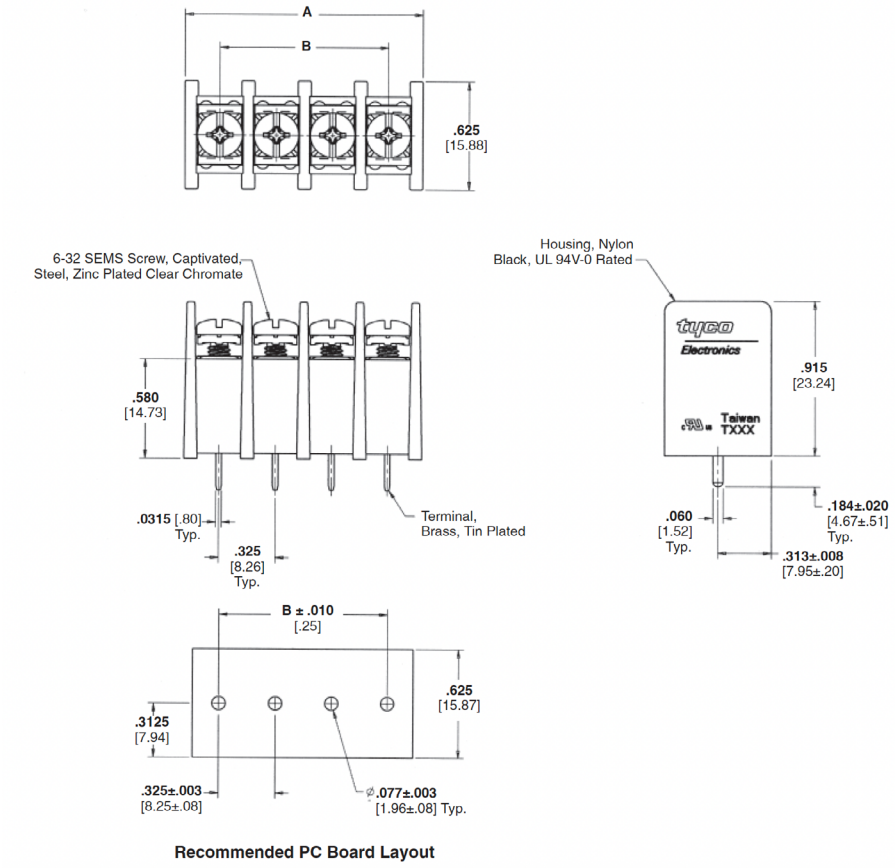
- **Current Rating -** 10 A
- **Voltage Rating -** 20 A, 300 VAC/DC per UL and CSA standards
- **Wire Range** - 12-22 AWG, Cu, Solid or Stranded

### Environmental Properties

- **Operating Temperature Range -** -40°C to +221°F (-40°C to +105°C)
- **Circuit Identification -** page 224

## HIGH RISE DUAL BARRIER STRIPS, - .325”/8.26mm

### Dimension [Unit: in(mm)]




Recommended PC Board Layout

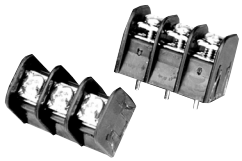


## PRODUCT INFORMATION

| No. of Positions* | Dimensions: in(mm) | | Part Numbers |
|---|---|---|---|
| | A | B | |
| 3 | 1.050 (26.67) | 0.650 (16.51) | 1546734-3 |
| 4 | 1.375 (34.93) | 0.975 (24.77) | 1546734-4 |
| 8 | 2.675 (67.95) | 2.275 (57.79) | 1546734-8 |
| 10 | 3.325 (84.46) | 2.925 (74.29) | 1-1546734-0 |

## JC6 SERIES DUAL BARRIER - .375”/9.53mm

**JC6-P107-03**



### Material & Finish

- **Housing Material** - Polypropylene
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** #6-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws available

### Mechanical Properties

- **Pitch (terminal spacing)** - 0.375” (0.525)
- **Recommended PCB Hole Dia.** - 1.8mm (0.073”)

### Electrical Properties

- **Ratings -**
  UL Class C 20 Amps, 300V
  UL Class D 5 Amps, 600V
  CSA Type B 20 Amps, 300V
  CSA Type C 20 Amps, 300V
  CSA Type D 5 Amps, 600V
  CSA Type E 20 Amps, 600V
- **Wire Range** - 12-22 AWG

### Environmental Properties

- **Operating Temperature Range -** 105°C (221°F) max.
- **Circuit Identification -** page 224

## ORDERING INFORMATION

**JC6 - P 1 07 06**

A B C D E

**A** **Series**

**JC6 =** Dual Barrier, 0.375” Centers

**B** **Terminal Style**

**C =** Non Feed Thru

**E =** Extended Circ. Bd.

**F =** Quick Connect, .187

**P =** Printed Circuit Pin (available with 1, 2 Block Style)

**T =** Solder Turret

**Q =** Quick Connect, .250

**W =** Solderless Wrap

**C** **Block Style**

**1 =** Flat, all positions filled

**2 =** Flat, end mounting ears (required for cover option)

**3 =** Insulating turret, end mounting ears with holes (required for cover option)

**4 =** Insulating turret, all positions filled

**5 =** Flat, open end with mounting bracket

**6 =** Flat, open end, mounting bracket, insulating turret

**7 =** Closed bottom, end mounting ears. (for C style terminal only)

**D** **Screw Hardware**

**05 =** Brass binding combo head screws

**06 =** Brass wire-clamp combo head screws

**07 =** Steel binding combo head screws

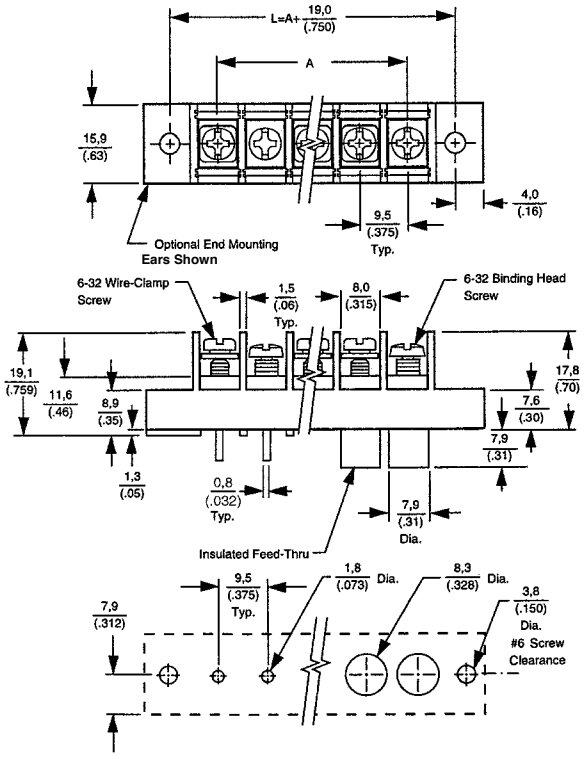
**08 =** Steel wire-clamp combo head screws (standard)

**E** **No. of Circuits** (Not Positions)

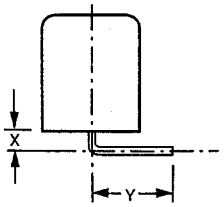
**02** to **25** circuits

## JC6 SERIES DUAL BARRIER - .375”/9.53mm (CONTINUED)

### Dimension [Unit: mm(in)]



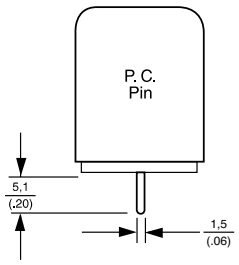

PRINTED CIRCUIT BOARD//MOUNTING PANEL LAYOUT



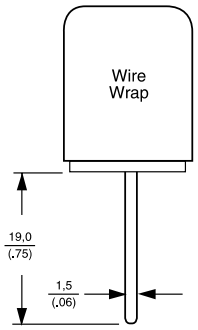

### Bend Options:

A variety of bend options are available. Please consult Technical Support for details.

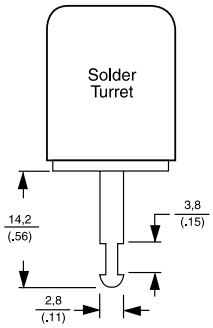
Available Block Styles: 1/2/5



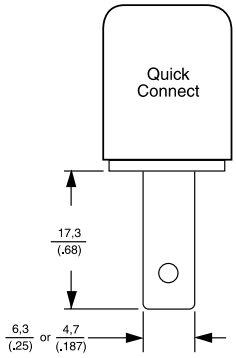

Available Block Styles: 2/3/4/5/6



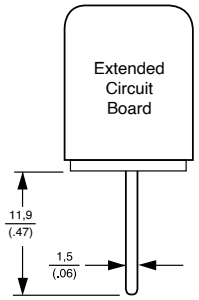

Available Block Styles: 2/3/4/5/6




Available Block Styles: 2/3/4

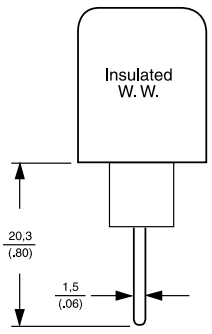


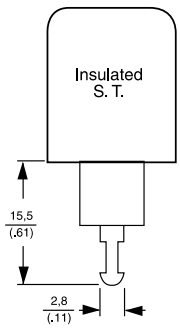

Available Block Styles: 1/2/3/4/5/6

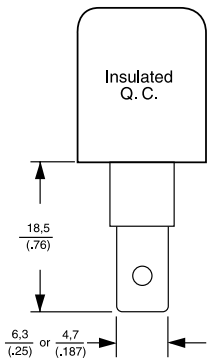


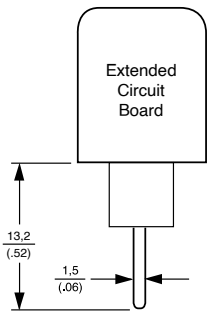

Available Block Styles: 7



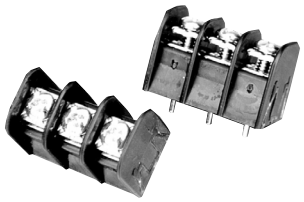
## JC6 SERIES DUAL BARRIER - .375”/9.53mm (CONTINUED)

| No. of Positions | Dim. A : mm(in) |
|---|---|
| 2 | 8.2 (0.325) |
| 2 | 9.5 (0.375) |
| 3 | 19.1 (0.750) |
| 4 | 28.6 (1.125) |
| 5 | 38.1 (1.500) |
| 6 | 47.6 (1.875) |
| 7 | 57.1 (2.250) |
| 8 | 66.7 (2.625) |
| 9 | 76.2 (3.000) |
| 10 | 85.7 (3.375) |
| 11 | 95.2 (3.750) |
| 12 | 104.8 (4.125) |
| 13 | 114.3 (4.500) |
| 14 | 123.8 (4.875) |
| 15 | 133.3 (5.250) |
| 16 | 142.9 (5.625) |
| 17 | 152.4 (6.000) |
| 18 | 161.9 (6.375) |
| 19 | 171.45 (6.750) |
| 20 | 180.98 (7.125) |
| 21 | 190.5 (7.500) |
| 22 | 200.03 (7.875) |
| 23 | 209.55 (8.250) |
| *24 | 219.08 (8.625) |
| *25 | 228.60 (9.000) |

* No mounting available

## NC6 SERIES DUAL BARRIER - .375”/9.53mm, LOW PROFILE

**NC6-P108-03**



### Material & Finish

- **Housing Material** - Thermoplastic polyamide
- **Flammability** - UL94V-0
- **Color** - Black
- **Terminals -** Bright acid tin over copper alloy
- **Screws -** #6-32 steel, zinc plating with clear chromate coating. Wire clamping screws and binding head screws available

### Mechanical Properties

- **Pitch (terminal spacing)** - 0.375” (9.525)
- **Screw Size -** #6-32 steel
- **Recommended PCB Hole Dia.** - 1.8mm (0.073”)

### Electrical Properties

- **Ratings -**
  UL Class C 20 Amps, 300V
  CSA Type C 20 Amps, 300V
- **Wire Range** - 12-22 AWG

### Environmental Properties

- **Operating Temperature Range -** 105°C (221°F) max.
- **Circuit Identification -** page 224

## ORDERING INFORMATION

**NC6 - P 1 08 - 04**
A B C D E

**A** **Series**

**NC6 =** Dual Barrier, 0.375” Centers, Low Profile

**B** **Terminal Style**

**P =** Printed Circuit Pin (available with 1, 2 Block Style)

**C** **Block Style**

**1 =** Flat, all positions filled

**2 =** End mounting holes provided

**D** **Screw Hardware**

**05 =** Brass binding combo head screws

**06 =** Brass wire-clamp combo head screws

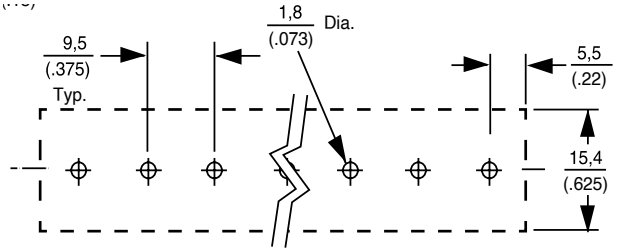
**07 =** Steel binding combo head screws

**08 =** Steel wire-clamp combo head screws

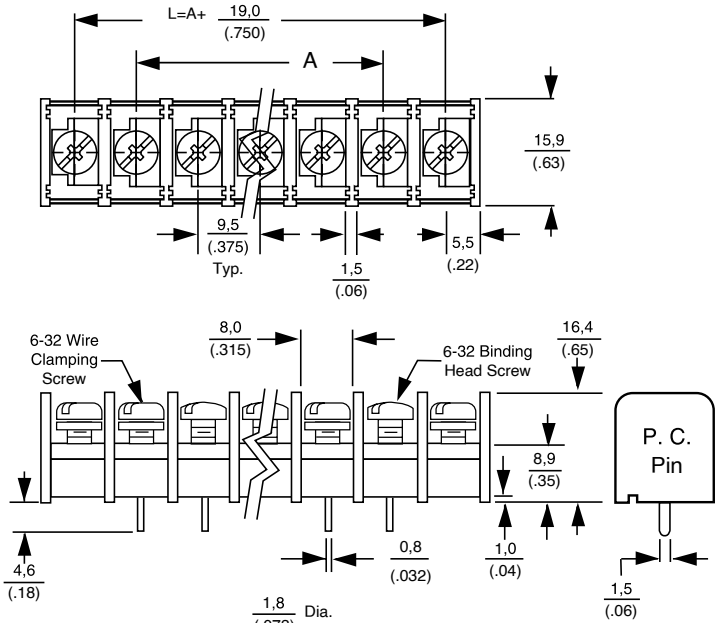
**E** **No. of Circuits** (Not Positions)

**02** through **24** circuits

## Dimension [Unit: mm(in)]




**RECOMMENDED PCB HOLE LAYOUT**



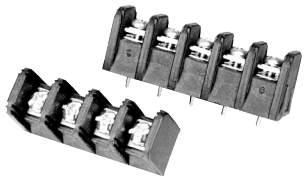

| No. of Positions | Dim. A: mm(in) |
|---|---|
| 2 | 9.5 (0.375) |
| 3 | 19.1 (0.750) |
| 4 | 28.6 (1.125) |
| 5 | 38.1 (1.500) |
| 6 | 47.6 (1.875) |
| 7 | 57.1 (2.250) |
| 8 | 66.7 (2.625) |
| 9 | 76.2 (3.000) |
| 10 | 85.7 (3.375) |
| 11 | 95.2 (3.750) |
| 12 | 104.8 (4.125) |
| 13 | 114.3 (4.500) |

| No. of Positions | Dim. A: mm(in) |
|---|---|
| 14 | 123.8 (4.875) |
| 15 | 133.3 (5.250) |
| 16 | 142.9 (5.625) |
| 17 | 152.4 (6.000) |
| 18 | 161.9 (6.375) |
| 19 | 161.9 (6.750) |
| 20 | 171.4 (7.125) |
| 21 | 181.0 (7.500) |
| 22 | 190.5 (7.875) |
| *23 | 200.0 (8.250) |
| *24 | 209.6 (8.625) |

* No mounting available

## SSB7 SERIES DUAL BARRIER - .4375”/11.1mm

**SSB7FP##0202**



### Material & Finish

- **Housing Material** - Polypropylene
- **Flammability** - UL94V-2
- **Color** - Black
- **Terminals -** Brass, bright acid tin over copper plating
- **Screw -** #6-32 Steel with zinc + chromate plating

### COMPUTING BARRIER BLOCK LENGTHS

- **Direct Mounting -** Use C1 and L1 for P & H mounting options
- **End Position Mounting -** Use L2 and C2 for M, E, F & G mounting options

### Electrical Properties

- **Ratings -**
  UL Class B 20 Amps, 600V
  UL Class C 20 Amps, 600V
  CSA Type C 20 Amps, 300V
  CSA Type D, 5 Amps, 600V
- **Wire Range** - 12-22 AWG
- **Dielectric Withstand** - 5000V

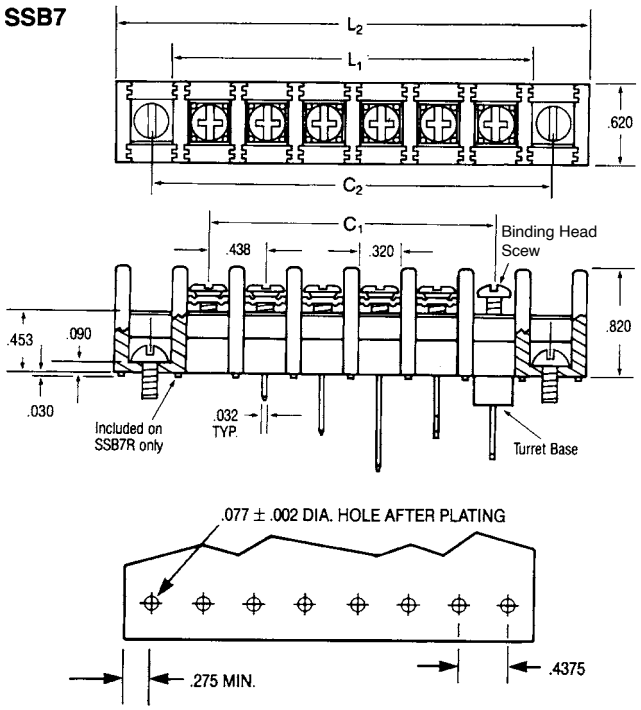
### Mechanical Properties

- **Pitch (terminal spacing)** - .4375 in. (11.1)
- **Recommended PCB Hole Dia.** - .077” (1.955)
- **Wire Strip Length -** .38” (9.652)
- **Recommended Tightening Torque** - 8 in-lbs.
- **Recommended Screwdrivers** - Stanley 1006-4, Sears Craftsman 41581,
  Any #2 Phillips-Head
- **Wire Lug Width (Max.)** - 8.1mm (0.320 in.)

### Environmental Properties

- **Operating Temperature Range -**
  60°C to +105°C (-76°F to +221°F)

### Dimension [Unit: in(mm)]



## SSB7 SERIES DUAL BARRIER - .4375”/11.1mm (CONTINUED)

| Circuits (not positions) | C1 in. | L1* in. | C2 in. | L2* in. |
|---|---|---|---|---|
| 01 | - | - | 0.88 | 1.44 |
| 02 | 0.44 | 1.00 | 1.31 | 1.88 |
| 03 | 0.88 | 1.44 | 1.75 | 2.31 |
| 04 | 1.31 | 1.88 | 2.19 | 2.75 |
| 05 | 1.75 | 2.31 | 2.63 | 3.19 |
| 06 | 2.19 | 2.75 | 3.06 | 3.63 |
| 07 | 2.63 | 3.19 | 3.50 | 4.06 |
| 08 | 3.06 | 3.63 | 3.94 | 4.50 |
| 09 | 3.50 | 4.06 | 4.38 | 4.94 |
| 10 | 3.94 | 4.50 | 4.81 | 5.38 |
| 11 | 4.38 | 4.94 | 5.25 | 5.81 |
| 12 | 4.81 | 5.38 | 5.69 | 6.25 |
| 13 | 5.25 | 5.81 | 6.13 | 6.69 |
| 14 | 5.69 | 6.25 | 6.56 | 7.13 |
| 15 | 6.13 | 6.69 | 7.00 | 7.56 |
| 16 | 6.56 | 7.13 | 7.44 | 8.00 |
| 17 | 7.00 | 7.56 | 7.88 | 8.44 |
| 18 | 7.44 | 8.00 | 8.31 | 8.88 |
| 19 | 7.88 | 8.44 | 8.75 | 9.31 |
| 20 | 8.31 | 8.88 | 9.19 | 9.75 |
| 21 | 8.75 | 9.31 | 9.63 | 10.19 |
| 22 | 9.19 | 9.75 | 10.06 | 10.63 |
| 23 | 9.63 | 10.19 | 10.50 | 11.06 |
| 24 | 10.06 | 10.63 | 10.94 | 11.50 |
| 25 | 10.50 | 11.06 | 11.38 | 11.94 |
| 26 | 10.94 | 11.50 | - | - |
| 27 | 11.38 | 11.94 | - | - |

## SSB7 SERIES DUAL BARRIER - .4375”/11.1mm (CONTINUED)

### ORDERING INFORMATION

**SSB 7 F P 06 02 02 11**

A B C D E F G H

**A** **Single Screw Dual Barrier Strip SSB**

**B** **Contact Spacing (Center-to-Center)**

**7 =**.4375 (7/16)

**C** **Base Options**

**C=**Closed Base

**F=**Flat Base

**R=**Raised Base

**T=**Turret Base
(Available only with 01, 04, 05, 07, 09, 12, 13, 15 style bottom terminals)

**D** **Mounting Options**

(See illustration below)

**E=**Open end positions, with mounting inserts, with end barriers

**F=**Open end positions, without mounting inserts, without end barriers

**G=**Open end positions, with mounting inserts, without end barriers

**M=**Open end positions, without mounting inserts, with end barriers

**P=**All positions filled with contacts, with end barriers

**E** **No. of Circuits** (Not Positions)
Must conform to mounting options

**02** through **32** circuits (P & H mounting)

**02** to **27** circuits (M, E, F & G mounting)

**H** **Circuit Identification Options**

**11=** 12345...

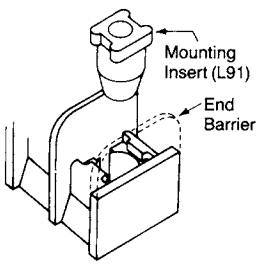
**12=** ...54321

**13=** 1 2 3 4 5 ...

**14=** ... 5 4 3 2 1

**15=** ...12345

**16=** 12345...




**F** **Terminal Style**

**01=**Solder Tail

**02=**Printed Circuit Pin

**03=**Non-Feed Through (with C base only)

**04=**Extended Printed Circuit Pin

**05=**Quick Connects

**06=**90° bend, .46” x .11” (with F base only)

**07=**Wire Wrap

**08=**90° bend, .75” x .11” (with F base only)

**12=**90° bend, .21” x .65”

**13=**90° bend, .36” x .50”

**14=**90° bend, .41” x .16” (with F base only)

**15=**90° bend, .51” x .35”

**16=**90° bend, .32” x .25” (with F base only)

**G** **Top Hardware Options**

**00=**No top hardware (Separately packaged binding head screws supplied at no cost)

**01=**Bright zinc and chromate plated steel binding head screw

**02=**Bright zinc and chromate plated steel screw and captive clamp - Do not order with other top hardware

**03=**Stainless steel binding head screw

**04=**Nickel plated brass binding head screw

**09=**Nickel plated brass screw and captive clamp - Do not order with other top hardware

**80**=Single-sided solder tab

**81**=Double-sided solder tab

| .250 wide x.032 thick | .187 wide x.020thick | | .250 wide x.032 thick | .187 wide x.020thick | |
|---|---|---|---|---|---|
| 20 | 40= | | 29 | 49= | |
| 21 | 41= | | 30 | 50= | |
| 22 | 42= | | 31 | 51= | |
| 23 | 43= | | 32 | 52= | |
| 24 | 44= | | 33 | 53= | |
| 25 | 45= | | 34 | 54= | |
| 26 | 46= | | 35 | 55= | |
| 27 | 47= | | 36 | 56= | |
| 28 | 48= | | | | |

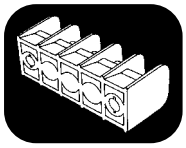
## SSB7 SERIES DUAL BARRIER - .4375”/11.1mm (CONTINUED)

**Contact Spacing Options: .4375 in (7/16”) Spacing**

Extra thick barriers provide higher voltage rating. Up to 27 ckts. (25 circuits for end mounted blocks)

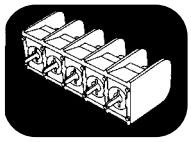
**Base Options:**

**Closed Base**



**Catalog Letter Code: C**. For terminal junction blocks requiring top connections only. Useful in applications requiring single point circuit terminations or circuit completion via top mounted, single- and two-sided quick-connects. Replace double-row barrier strips.

**Flat Base**

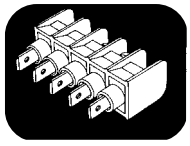


**Catalog Letter Code: F**. Lends itself most readily to applications where direct topto-bottom feedthrough is required with no special requirement for circuit isolation on the bottom side. The most common example of this is printed circuit board mounting.

**Raised Base**

**Catalog Letter Code: R**. Standoffs between each circuit raise block .030” above mounting surface to allow flux and solvents to drain during soldering operations. Available only with 02 and 04 bottom terminals.

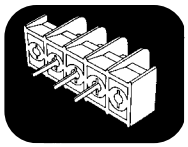
**Turret Base**



**Catalog Letter Code: T**. Combines top-to-bottom feed-through with bottom-side circuit isolation for panels up to .126” thick. Turret bases are available with the following terminals: solder tail, quick connect, machine wrap, extended circuit board terminal, and right-angle.

**Mounting Options:**

**End Position Mounting**



**Catalog Letter Codes: E, F, G or M.** Supplied without contacts in end sections to allow installer to mount blocks with screws in end section holes. Base of block will support mounting screws (Codes F & M). Also available with mounting inserts installed in end mounting holes to raise mounting screw heads to the level of other top hardware (Codes E & G).

**Without End Barriers**

**Catalog Letter Codes: F, G & H.** Facilitates mounting-screw access when end sections are used for mounting.

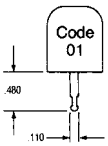
**Direct Mounting**

**Catalog Letter Code: P & H**. SSBs may be solder-mounted using the bottom terminals themselves, as in the case of printed circuit board applications.

Direct mounting is also possible with turret base models using press-on retaining clips (Catalog No. L97, Part Number 1437661-7) on turrets.

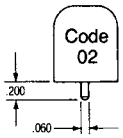
**Terminal Style:**

**Solder Tail**




**Catalog Number Code: 01.** For applications requiring a wrapped solder connection.

**Printed Circuit Pin**



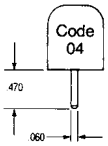

**Catalog Number Code: 02.** Designed specifically for mounting on .063” thick circuit board. Special, readily solderable plating permits good fillet development in automated soldering processes.

**Non-Feed-Through**



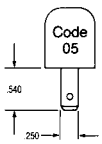

**Catalog Number Code: 03.** With closed base option only.

**Extended Printed Circuit Pin**




**Catalog Number Code: 04.** Useful where extra length is needed, as in thicker printed circuit boards or single-wrap connections.

**Quick Connect**

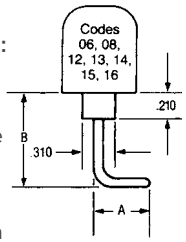



**Catalog Number Code: 05.** .250 in. wide x .032” thick blades accept .250” female quick connects.

## SSB7 SERIES DUAL BARRIER - .4375”/11.1mm (CONTINUED)

### MOUNTING POSITION:

**Right-Angle**

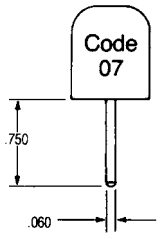



**Catalog Number Codes: 06, 08, 12, 13, 14, 15, 16.** Seven variations of right-angle contacts are available. Designed for circuit board and panel applications, this option saves space when printed circuit boards are stacked closely together. It provides access to top connections in restricted spaces. Mount with angle brackets. (Catalog No. L92).

| Catalog No. Code | A in. | B in. |
|---|---|---|
| 06* | 0.46 | 0.11 |
| 08* | 0.75 | 0.11 |
| 12 | 0.21 | 0.65 |
| 13 | 0.36 | 0.50 |
| 14* | 0.41 | 0.16 |
| 15 | 0.51 | 0.35 |
| 16* | 0.32 | 0.25 |

*Not available with turret base

### WIRE WRAP




**Catalog Number Code: 07.** Longer than extended circuit board terminals. Post alignment is compatible with tolerances required for automatic wire wrapping equipment. Post dimensions are compatible with standard wire wrapping bits.

### TOP Hardware Options:

**Binding Head Screws**

In most applications, binding head screws will provide excellent wire retention because of exclusive wire locking tabs. These binding head screws are available in 3 materials identified by codes 01, 02, and 03.



**Catalog Number Code:**

**01** Bright Zinc and Chromate Plated Steel

**02** Stainless Steel

**03** Nickel Plated Brass

### CAPTIVE CLAMP

For applications requiring extra security, captive clamps under the screw heads augment the locking tabs on each contact. Scews have a unique Philslot design accepting either Phillipshead or straight screwdriver. Code 02 screw is Bright Zinc and Chromate plated steel. Code 09 screw is Nickel plated Brass.



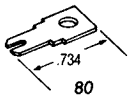
**Catalog Number Code:**

**02** Bright Zinc and Chromate Plated Steel

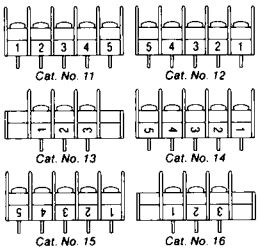
**09** Nickel Plated Brass

### SOLDER TABS

**Catalog Number Code: 80.** Singlesided, slotted solder tabs are available for making wrapped solder connections on the top side of SSBs.




**Circuit Identification Options: Catalog Number Codes: 11 through 16.** SSB blocks may be ordered with circuit identification numbers in white on the molding in six different variations. Custom markings are available on special order.



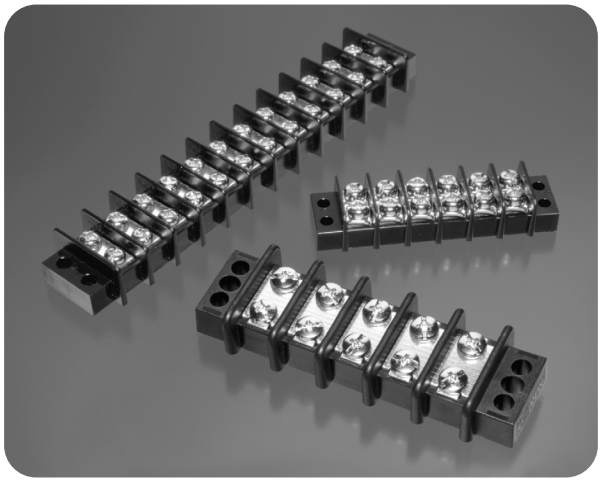

**Molding Material Options:**

The standard SSB molding material is UL94V-2 polypropylene. Consult Technical Support for other materials available on special order.

**Molding Color Options:**

SSB blocks are stocked in black. Consult Technical Support for availability of other colors.

## DOUBLE-ROW, DUAL BARRIER STRIPS



### PRODUCT FACTS

- Double-row, dual barrier strips for wire-to-wire applications. These parts also allow end users to complete the wiring to a separate screw without disturbing the factory wiring.
- Available with either binding head screws or wire clamp
- Increased current-carrying capability

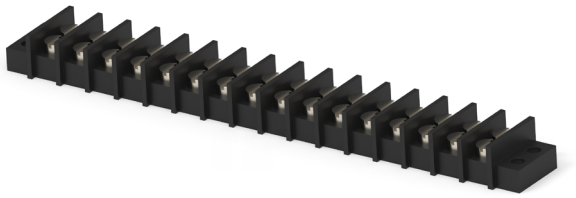
### APPLICATIONS

- Industrial Controls
- Test Equipment
- HVAC
- Power Supplies
- Traffic Signals
- Telecom

### KEY FEATURES

- Closed bottom design allows for mounting direct to sheet metal panel
- Molded to length
- Accessories such as Quick- Connect Tabs and Jumpers available
- Wire-to-wire termination:
  - .374 (9.5) centerline: Up to 30 positions
  - .433 (11.0) centerline: Up to 26 positions
  - .437 (11.1) centerline: Up to 26 positions
  - .563 (14.3) centerline: Up to 18 positions
- RoHS Compliant

## DOUBLE-ROW, DUAL BARRIER STRIPS .374”/9.5mm (CONTINUED)



### Material & Finish

- **Insulator Body** - UL94V-0, thermoplastic, black
- **Terminals -** Brass, tin plated
- **Screw -** #6-32 steel, nickel plated

### Mechanical Properties

- **Screw Torque** - 12 in-lb

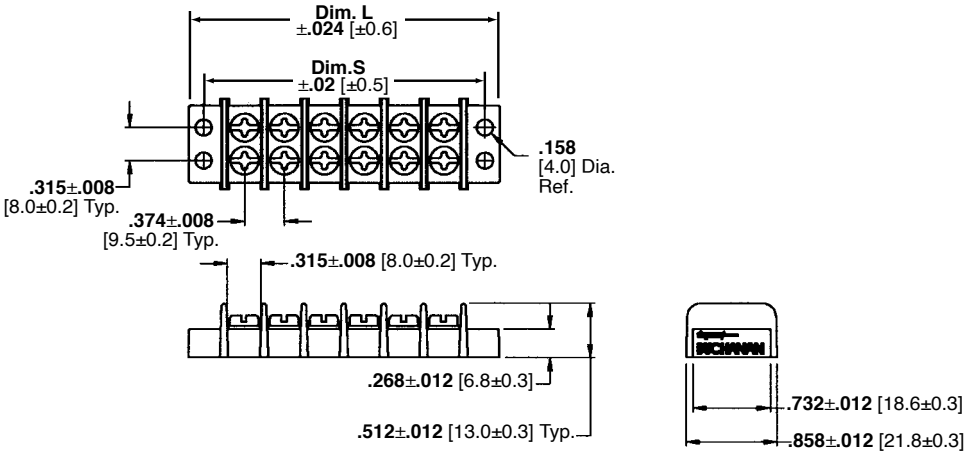
### Electrical Properties

- **Current Rating -** 20 A, 300 VAC
- **Wire Range** - 12-22 AWG
- **Withstanding Voltage** - 2000 VAC min.

### Environmental Properties

- **Operating Temperature Range -** -40°F to +221°F (-40°C to +120°C)

### Dimension [Unit: in]



## DOUBLE-ROW, DUAL BARRIER STRIPS .374”/9.5mm (CONTINUED)

### PRODUCT INFORMATION

| No. of Positions | Dimensions | | Part Numbers | |
|---|---|---|---|---|
| | L | S | w/Binding Head Screws | w/Wire Clamp Screws |
| 2 | 1.42 (036.2) | 1.13 (028.7) | 1546306-2 | 1546307-2 |
| 3 | 1.80 (045.7) | 1.50 (038.2) | 1546306-3 | - |
| 4 | 2.17 (055.2) | 1.88 (047.7) | 1546306-4 | 1546307-4 |
| 5 | 2.55 (064.7) | 2.25 (057.2) | 1546306-5 | 1546307-5 |
| 6 | 2.92 (074.2) | 2.63 (066.7) | 1546306-6 | 1546307-6 |
| 7 | 3.30 (083.7) | 3.00 (076.2) | 1546306-7 | - |
| 8 | 3.67 (093.2) | 3.37 (085.7) | 1546306-8 | 1546307-8 |
| 9 | 4.05 (103.0) | 3.75 (095.2) | 1546306-9 | - |
| 10 | 4.41 (112.0) | 4.13 (105.0) | 1-1546306-0 | 1-1546307-0 |
| 11 | 4.80 (122.0) | 4.49 (114.0) | 1-1546306-1 | - |
| 12 | 5.16 (131.0) | 4.88 (124.0) | 1-1546306-2 | 1-1546307-2 |
| 14 | 5.91 (150.0) | 5.63 (143.0) | 1-1546306-4 | 1-1546307-4 |
| 15 | 6.30 (160.0) | 5.98 (152.0) | 1-1546306-5 | - |
| 16 | 6.65 (169.0) | 6.38 (162.0) | 1-1546306-6 | - |
| 18 | 7.40 (188.0) | 7.13 (181.0) | 1-1546306-8 | - |
| 20 | 8.15 (207.0) | 7.87 (200.0) | 2-1546306-0 | - |
| 21 | 8.54 (217.0) | 8.23 (209.0) | 2-1546306-1 | 2-1546307-1 |
| 22 | 8.90 (226.0) | 8.62 (219.0) | - | 2-1546307-2 |
| 23 | 9.29 (236.0) | 8.98 (228.0) | - | 2-1546307-3 |
| 24 | 9.65 (245.0) | 9.37 (238.0) | 2-1546306-4 | 2-1546307-4 |
| 25 | 10.04 (255.0) | 9.72 (247.0) | 2-1546306-5 | 2-1546307-5 |
| 26 | 10.39 (264.0) | 10.12 (257.0) | 2-1546306-6 | 2-1546307-6 |
| 27 | 10.79 (274.0) | 10.47 (266.0) | - | 2-1546307-7 |
| 28 | 11.14 (283.0) | 10.87 (276.0) | - | 2-1546307-8 |
| 29 | 11.54 (293.0) | 11.22 (285.0) | - | 2-1546307-9 |
| 30 | 11.89 (302.0) | 11.61 (295.0) | 3-1546306-0 | 3-1546307-0 |

## DOUBLE-ROW, DUAL BARRIER STRIPS .433”/11.0mm



### Material & Finish

- **Insulator Body** - UL94V-0, thermoplastic, black
- **Terminals -** Brass, tin plated
- **Screw -** #6-32 steel, nickel plated

### Mechanical Properties

- **Screw Torque** - 12 in-lb

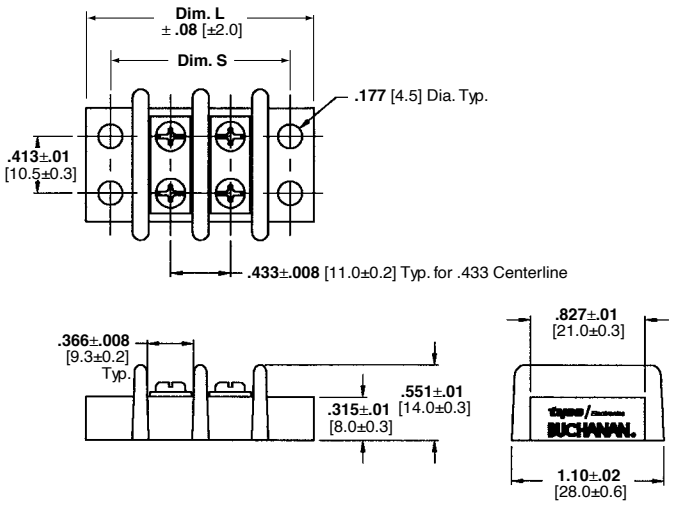
### Electrical Properties

- **Current Rating -** 20 A, 300 VAC
- **Wire Range** - 14-22 AWG
- **Withstanding Voltage** - 2000 VAC min.

### Environmental Properties

- **Operating Temperature Range -** -40°F to +221°F (-40°C to +120°C)

### Dimension [Unit: in]




## PRODUCT INFORMATION

| No. of Positions | Dimensions | | Part Numbers |
|---|---|---|---|
| | L | S | w/Wire Clamp Screws |
| 2 | 1.65 (41.8) | 1.264 (32.1) | 1546477-2 |
| 4 | 2.51 (63.8) | 2.130 (54.1) | 1546477-4 |
| 5 | 2.94 (74.8) | 2.563 (65.1) | 1546477-5 |
| 10 | 5.11 (129.8) | 4.728 (120.1) | 1-1546477-0 |
| 11 | 5.54 (140.8) | 5.161 (131.1) | 1-1546477-1 |

## DOUBLE-ROW, DUAL BARRIER STRIPS .437”/11.1mm



### Material & Finish

- **Insulator Body** - UL94V-0, thermoplastic, black
- **Terminals -** Brass, tin plated
- **Screw -** #6-32 steel, nickel plated

### Mechanical Properties

- **Screw Torque** - 12 in-lb

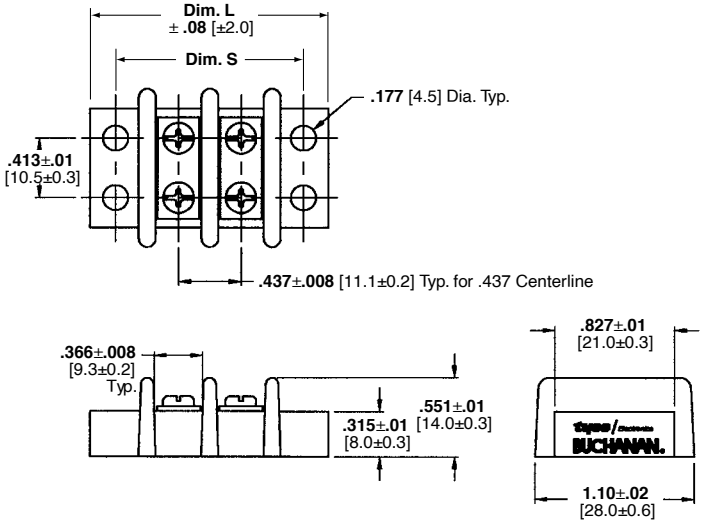
### Electrical Properties

- **Current Rating -** 20 A, 300 VAC
- **Wire Range** - 12-22 AWG
- **Withstanding Voltage** - 2000 VAC min.

### Environmental Properties

- **Operating Temperature Range -** -40°F to +221°F (-40°C to +120°C)

### Dimension [Unit: in(mm)]



## PRODUCT INFORMATION

| No. of Positions | Dimensions | | Part Numbers | |
|---|---|---|---|---|
| | L | S | w/Binding Head Screws | w/Wire Clamp Screws |
| 2 | 1.62 (41.2) | 1.264 (32.1) | 1546670-2 | 1546671-2 |
| 3 | 2.06 (52.3) | 1.697 (43.1) | 1546670-3 | 1546671-3 |
| 4 | 2.50 (63.4) | 2.130 (54.1) | 1546670-4 | 1546671-4 |
| 5 | 2.93 (74.5) | 2.563 (65.1) | 1546670-5 | - |
| 6 | 3.37 (85.6) | 2.996 (76.1) | 1546670-6 | 1546671-6 |
| 7 | 3.81 (96.7) | 3.429 (87.1) | - | 1546671-7 |
| 10 | 5.12 (130.0) | 4.728 (120.1) | 1-1546670-0 | 1-1546671-0 |
| 12 | 5.99 (152.2) | 5.594 (142.1) | 1-1546670-2 | 1-1546671-2 |
| 14 | 6.87 (174.4) | 6.461 (164.1) | 1-1546670-4 | - |
| 15 | 7.30 (185.5) | 6.894 (175.1) | - | 1-1546671-5 |
| 16 | 7.74 (196.6) | 7.327 (186.1) | 1-1546670-6 | 1-1546671-6 |
| 18 | 8.61 (218.8) | 8.193 (208.1) | 1-1546670-8 | 1-1546671-8 |
| 20 | 9.49 (241.0) | 9.059 (230.1) | - | 2-1546671-0 |

## DOUBLE-ROW, DUAL BARRIER STRIPS .563”/14.3mm



### Material & Finish

- **Insulator Body** - UL94V-0, thermoplastic, black
- **Terminals -** Brass, tin plated
- **Screw -** M4.0 steel, nickel plated

### Mechanical Properties

- **Screw Torque** - 16 in-lb

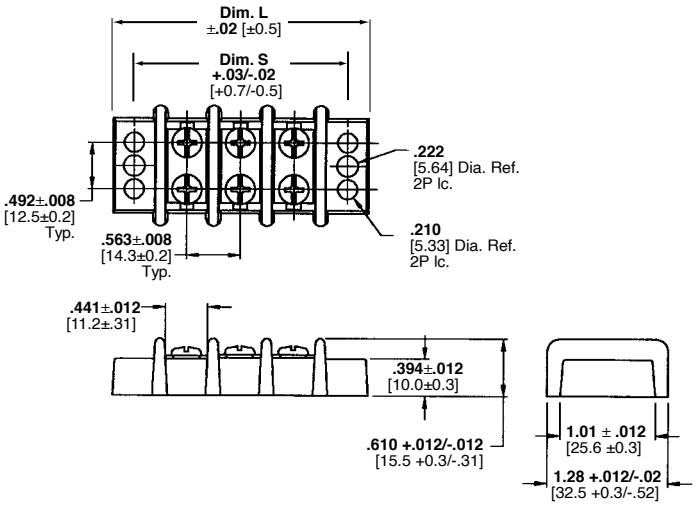
### Electrical Properties

- **Current Rating -** 30 A, 300 VAC
- **Wire Range** - 10-22 AWG
- **Withstanding Voltage** - 2000 VAC min.

### Environmental Properties

- **Operating Temperature Range -** -40°F to +284°F (-40°C to +140°C)

### Dimension [Unit: in(mm)]




## PRODUCT INFORMATION

| No. of Positions | Dimensions | | Part Numbers | |
|---|---|---|---|---|
| | L | S | w/Wire Clamp Screws | w/Binding Head Screws |
| 2 | 2.13 (54.0) | 1.69 (42.9) | 1546311-2 | 1546310-2 |
| 3 | 2.69 (68.3) | 2.25 (57.2) | - | 1546310-3 |
| 4 | 3.25 (82.6) | 2.81 (71.5) | 1546311-4 | 1546310-4 |
| 5 | 3.81 (96.9) | 3.38 (85.8) | 1546311-5 | 1546310-5 |
| 6 | 4.38 (111.2) | 3.94 (100.1) | 1546311-6 | 1546310-6 |
| 7 | 4.94 (125.5) | 4.50 (114.4) | - | 1546310-7 |
| 8 | 5.50 (139.8) | 5.07 (128.7) | - | 1546310-8 |
| 9 | 6.08 (154.1) | 5.63 (143.0) | - | 1546310-9 |
| 10 | 6.63 (168.4) | 6.19 (157.3) | - | 1-1546310-0 |
| 12 | 7.75 (197.0) | 7.32 (185.9) | - | 1-1546310-2 |
| 14 | 8.88 (225.6) | 8.44 (214.5) | - | 1-1546310-4 |
| 15 | 9.44 (239.9) | 9.01 (228.8) | - | 1-1546310-5 |
| 18 | 11.13 (282.8) | 10.70 (271.7) | - | 1-1546310-8 |

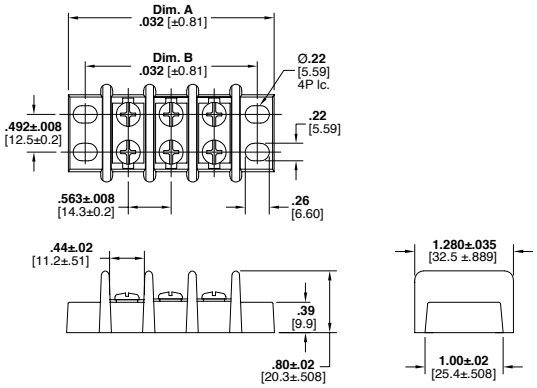
## DOUBLE-ROW, DUAL BARRIER STRIPS .563”/14.3mm W/O WASHER



### Material & Finish

- **Insulator Body** - UL94V-0, thermoplastic, black
- **Terminals -** Brass, tin plated
- **Screw -** M4.0 steel, nickel plated

### Dimension [Unit: in(mm)]




### Mechanical Properties

- **Screw Torque** - 14 in-lb

### Electrical Properties

- **Current Rating -** 30 A, 600 VAC
- **Wire Range** - 10-22 AWG
- **Withstanding Voltage** - 2000 VAC min.

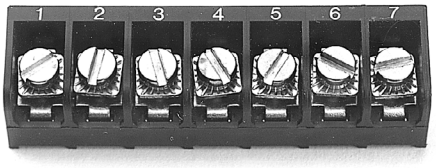
### Environmental Properties

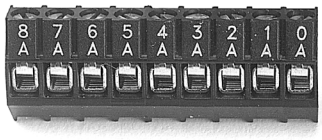
- **Operating Temperature Range -** -40°F to +120°F (-40°C to +49°C)

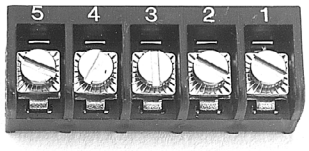
## PRODUCT INFORMATION

| No. of Positions | Dimensions | | Part Numbers | |
|---|---|---|---|---|
| | L | S | w/Wire Clamp Screws | w/Binding Head Screws |
| 2 | 2.13 (54.0) | 1.69 (42.9) | - | 1986158-2 |
| 3 | 2.69 (68.3) | 2.25 (57.2) | 1776544-3 | 1986158-3 |
| 4 | 3.25 (82.6) | 2.81 (71.5) | 1776544-4 | 1986158-4 |
| 5 | 3.81 (96.9) | 3.38 (85.8) | 1776544-5 | 1986158-5 |
| 6 | 4.38 (111.2) | 3.94 (100.1) | 1776544-6 | 1986158-6 |
| 7 | 4.94 (125.5) | 4.50 (114.4) | 1776544-7 | 1986158-7 |
| 8 | 5.50 (139.8) | 5.07 (128.7) | 1776544-8 | 1986158-8 |
| 10 | 6.63 (168.4) | 6.19 (157.3) | 1-176544-0 | 1-1986158-0 |
| 12 | 7.75 (197.0) | 7.32 (185.9) | 1-176544-2 | 1-1986158-2 |
| 13 | 8.32 (211.3) | 7.88 (200.2) | 1-176544-3 | - |
| 14 | 8.88 (225.6) | 8.44 (214.5) | - | 1-1986158-4 |
| 15 | 9.44 (239.9) | 9.01 (228.8) | 1-176544-5 | 1-1986158-5 |
| 16 | 10.02 (254.5) | 9.57 (243.1) | 1-176544-6 | - |
| 17 | 10.57 (268.5) | 10.13 (257.4) | 1-176544-7 | 1-1986158-7 |
| 18 | 11.13 (282.8) | 10.70 (271.7) | 1-176544-8 | 1-1986158-8 |

## ACCESSORIES - STANDARD AND CUSTOM LEGENDS



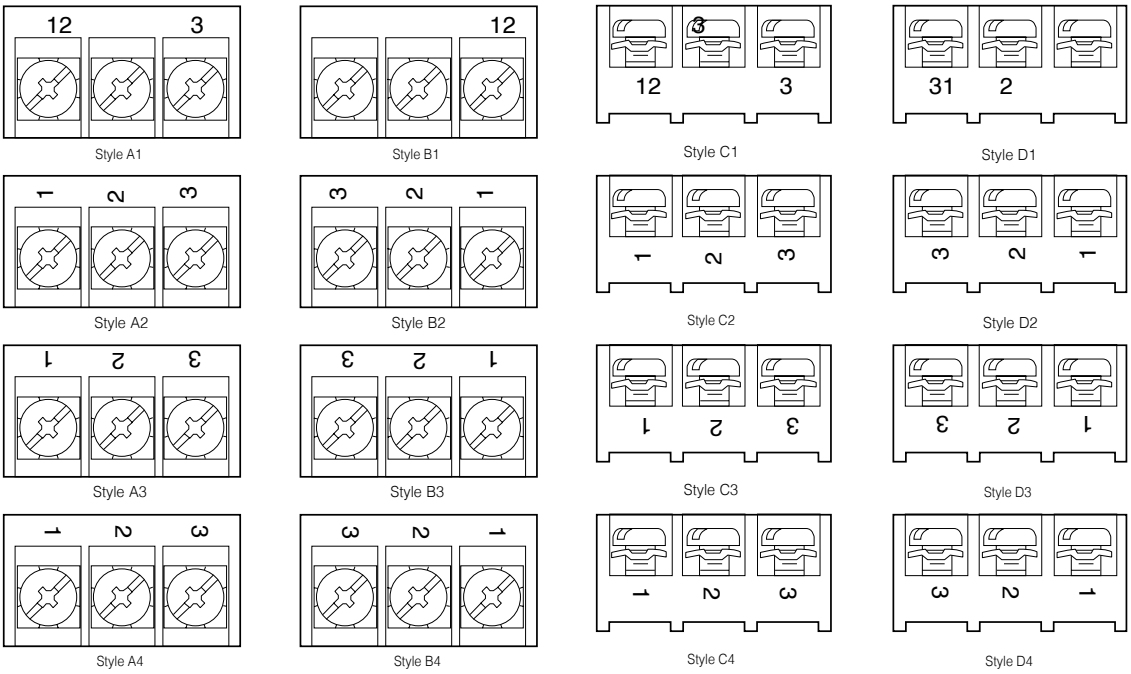

## INTRODUCTION

Custom legending can lend a personal touch to your product helps in circuit identification and makes wiring faster and easier. Alphabetical and numerical markings are available in either standard or custom styles to best suit your specific applications. Legending is available to the styles depicted below.

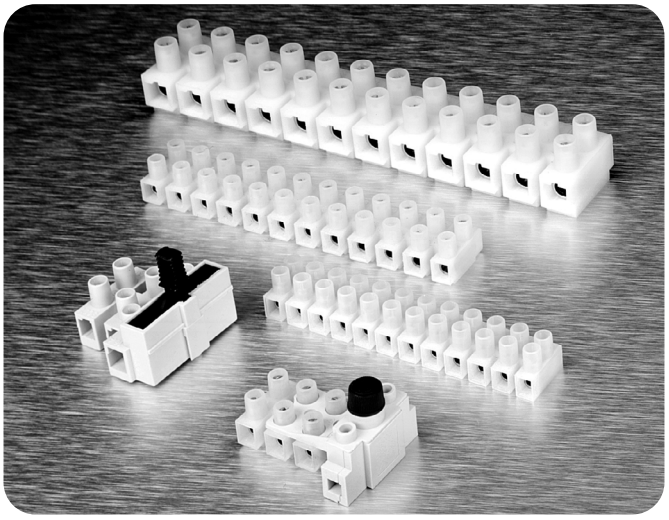
### PRODUCT FACTS

- Permanent markings, impervious to cleaning solvents per MIL-STD 202, Method 215
- Alphabetical and numerical legending
- Numbers and characters can be in any order
- Size and spacing of characters may be tailored to your application
- White markings standard
- Custom legends available on special request

**Standard Legending Arrangements**



# EUROPA BLOCKS



## INTRODUCTION

TE Connectivity offers the most extensive line of Europa products in five pitches:

- 8mm (0.315)
- 10mm (0.394)
- 12mm (0.472)
- 13.5mm (0.531)
- 14.5mm (0.571)

Two connection styles are available. The Wire Protector version supplies a plate to shield the wire from being cut by the screw. The Tunnel connection is the same design, but without the shielding plate – it is ideal for solid wire or where the most economical price is required.

### PRODUCT FACTS

- Modular design - cut into smaller sections without altering **electrical properties** or order product molded to length. Mounting holes between every circuit.
- Tubular contacts - connect stripped, unterminated solid or stranded wire directly to each contact - no wire lugs needed.
- High voltage and current ratings - rated up to 600 volts and up to 65 amps depending on model and wire size used.
- Broad Wire Range - use wire from #6 to #26 AWG, depending on model selected.
- Wire protectors - all models available with wire protectors to virtually eliminate twisting and breakage of stranded wire during connection.
- High circuit density - five models provide from 21 to 38 circuits per foot.
- “Dead-front” construction - both screws and tubular contacts are recessed in housing for safety and to help prevent short circuits.
- Captive screws - zinc with chromate plated steel screws are captive in tin plated brass contacts. They are supplied “backed-out” and ready to wire.
- Flammability rating of UL94V-2 is standard. High Temperature versions with UL94V-0 are available.
- Wire stop available on some versions.

### APPLICATIONS

- Motor Controls
- Power Supplies
- Telecom
- Valve Actuators
- Spa Controllers
- Lighting

# EUROPA TERMINAL BLOCKS

## EUROPA SELECTOR CHART

### PANEL MOUNTED MODULAR BLOCKS

| |  | |  | |  |  |  |
|---|---|---|---|---|---|---|---|
| **Series** | TSB230 | TSB230...HT | TSB500 | TSB500... HT | TSB500SK | 500Si | 503Si |
| **Pitch (mm) (in)** | 8mm .315” | 8mm .315” | 10mm .394” | 10mm .394” | 10mm .394” | 10, 12mm .394”, .472” | 10mm .394” |
| **Circuits** | 1-12 | 1-12 | 1-12 | 1-12 | 1-12 | 1 | 1-5 |
| **Max Current** Wire protector Tunnel connection | 30A 30A | 30A - | 30A 40A | 30A - | 30A 30A | - 10A | 10A 10A |
| **Max Voltage** | 250V | 250V | 250V | 250V | 600V | 250V | 250V |
| **Wire Range (AWG)** Wire protector Tunnel connection | 12-26 12-24 | 12-26 - | 10-24 10-22 | 12-24 | 12-24 10-22 | - 12-22 | 12-22 12-22 |
| **Flammability** | UL94V-2 | UL94V-0 | UL94V-2 | UL94V-0 | UL94V-2 | UL94V-2 | UL94V-2 |
| **Max. Temp.** | 100° C | 150° C | 100° C | 150° C | 100° C | 100° C | 100° C |
| **Page** | 246, 247 | 248 | 249 | - | - | 258 | 251 |

| TSB230 Part Numbers | | | |
|---|---|---|---|
| 1-1776293-0 | 1-1776294-2 | 1-1776295-2 | 1776321-2 |
| 1-1776293-1 | 1776294-1 | 1-1776295-3 | 1776321-4 |
| 1-1776293-2 | 1776294-2 | 1776295-2 | 1776321-6 |
| 1776293-1 | 1776294-3 | 1776295-3 | |
| 1776293-2 | 1776294-4 | 1776295-4 | |
| 1776293-3 | 1776294-5 | 1776295-5 | |
| 1776293-4 | 1776294-8 | 1776295-6 | |
| 1776293-5 | | 1776295-8 | |
| 1776293-6 | | 1776295-9 | |
| 1776293-7 | | | |
| 1776293-8 | | | |

## EUROPA SELECTOR CHART (CONTINUED)

### PANEL MOUNTED MODULAR BLOCKS

| |  | |  |  |  | | |
|---|---|---|---|---|---|---|---|
| **Series** | TSB1000 | TSB1000... HT | 1003Si | TSB1500 | TSB2000 | TSB2000... HT | TSB2000... US |
| **Pitch (mm) (in)** | 12mm .472” | 12mm .472” | 7/12mm .275-.472” | 13.5mm .532” | 14.5mm .571” | 14.5mm .571” | 14.5mm .571” |
| **Circuits** | 1-12 | 1-12 | 1-5 | 1-12 | 1-12 | 1-12 | 1-12 |
| **Max Current**<br>Wire protector<br>Tunnel connection | <br>40A<br>40A | <br>40A<br>- | <br>16A<br>16A | <br>40A<br>40A | <br>65A<br>65A | <br>65A<br>65A | <br>65A<br>65A |
| **Max Voltage** | 250V | 250V | 250V | 300V | 300V | 300V | 600V |
| **Wire Range (AWG)**<br>Wire protector<br>Tunnel connection | <br>10-12<br>8-22 | <br>10-24<br>- | <br>10-24<br>8-22 | <br>8-18<br>8-16 | <br>6-14<br>6-14 | <br>6-14<br>6-14 | <br>6-14<br>6-14 |
| **Flammability** | UL94V-2 | UL94V-0 | UL94V-2 | UL94V-2 | UL94V-2 | UL94V-0 | UL94V-2 |
| **Max. Temp.** | 100° C | 150° C | 100° C | 100° C | 100° C | 150° C | 100° C |
| **Page** | 253, 254 | 254 | - | 255 | 256 | - | 257 |

## CATALOG NUMBERING CODE

### EUROPA BLOCKS

**TSB** **230** **02** **SUFFIX** **SUFFIX**

**Series**
Europa Blocks

**Pitch**
**230 =** 8mm
**500 =** 10mm
**500SK =** 10mm, Elongated
**1000 =** 12mm
**1500 =** 13.5mm
**2000 =** 14.5mm

**No. of Circuits**
**01** through **12**

**Connection**
**(blank) =** Tunnel Connection (w/o Wire Protector)
**DS =** Wire Protector
**31 =** Tunnel Connection for Series TSB500
**31DS =** Wire Protector for Series TSB500

**Options**
**(blank) =** Standard (105°)
**HT =** High Temperature (150°)
**US =** 600V

### Fused Europa Blocks

**230** **02** **SUFFIX**

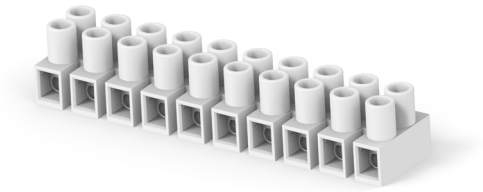
**Pitch**
**503Si =** 10mm
**1003Si =** 12mm

**No. of Circuits**
**01** through **5**

**Options**
**(blank) =** Tunnel Connection (w/o Wire Protector)
**DS =** Wire Protector
**E =** Grounded
**EDS =** Grounded Wire Protector

Note: Some catalog number combinations are not valid. Check appropriate catalog pages before ordering.

## TSB230 SERIES / EUROPA, WITH WIRE PROTECTOR -.315”/8mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability -** UL94V-2
- **Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel, M3
- **Screw Plating -** Zinc with chromate
- **Wire Protector -** Stainless steel

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

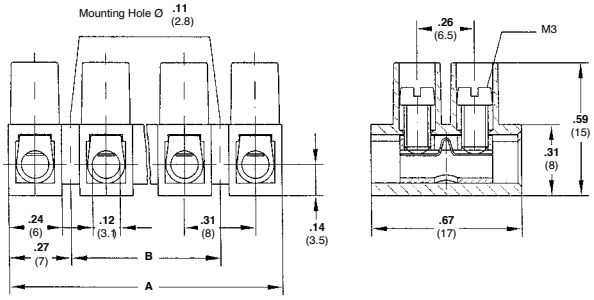
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 8mm (0.315”)
- **Wire Strip Length** - 5mm (0.20”)
- **Min. Wire Pull-Out Force** - 75lbs.
- **Recommended Tightening Torque** - 5 in-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **Maximum Current -** 30A
- **Operating Voltage -** 250V
- **Wire Range -** 12-26 AWG
- **Dielectric Withstand -** 3000V

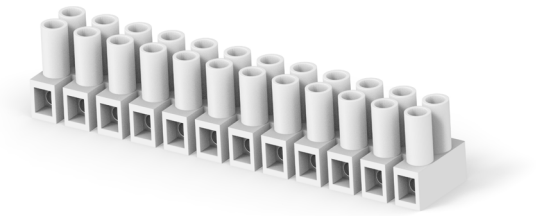
### Dimension [Unit: in(mm)]




## PRODUCT INFORMATION

| No. of Positions | Dimensions: mm(in) | | Wire Protector | |
|---|---|---|---|---|
| | A | B | Part Number | Catalog Number |
| 1 | 6 (0.24) | - | 1776293-1 | TSB230 01DS |
| 2 | 14.0 (0.55) | - | 1776293-2 | TSB230 02DS |
| 3 | 22 (0.87) | 8 (0.31) | 1776293-3 | TSB230 03DS |
| 4 | 30 (1.18) | 16 (0.63) | 1776293-4 | TSB230 04DS |
| 5 | 38 (1.50) | 24 (0.94) | 1776293-5 | TSB230 05DS |
| 6 | 46 (1.81) | 32 (1.26) | 1776293-6 | TSB230 06DS |
| 7 | 54 (2.13) | 40 (1.57) | 1776293-7 | TSB230 07DS |
| 8 | 62 (2.44) | 48 (1.89) | 1776293-8 | TSB230 08DS |
| 10 | 78 (3.07) | 64 (2.52) | 1-1776293-0 | TSB230 10DS |
| 11 | 86 (3.39) | 72 (2.83) | 1-1776293-1 | TSB230 11DS |
| 12 | 94 (3.70) | 80 (3.15) | 1-1776293-2 | TSB230 12DS |

## TSB230 SERIES / EUROPA, WITH TUNNEL CONNECTION -.315”/8mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability -** UL94V-2
- **Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel, M3
- **Screw Plating -** Zinc with chromate

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

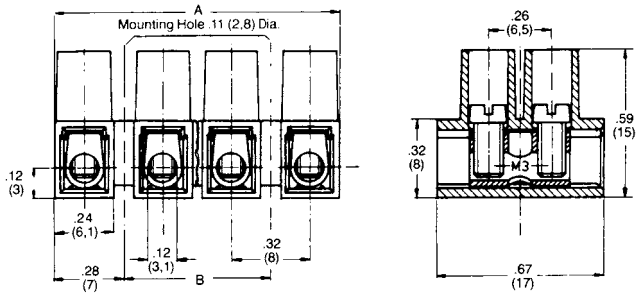
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 8mm (0.315”)
- **Wire Strip Length** - 5mm (0.20”)
- **Min. Wire Pull-Out Force** - 75lbs.
- **Recommended Tightening Torque** - 5 in-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **Maximum Current -** 30A
- **Operating Voltage -** 250V
- **Wire Range -** 12-24 AWG
- **Dielectric Withstand -** 3000V

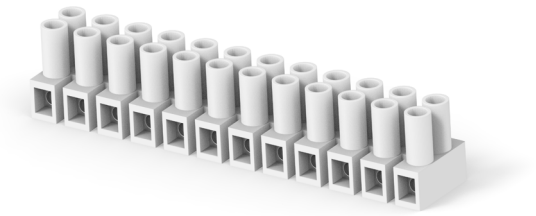
### Dimension [Unit: in(mm)]




## PRODUCT INFORMATION

| No. of Positions | Dimensions: mm(in) | | Tunnel Connection | |
|---|---|---|---|---|
| | A | B | Part Number | Catalog Number |
| 1 | 6 (0.24) | - | 1776294-1 | TSB230 01 |
| 2 | 14.0 (0.55) | - | 1776294-2 | TSB230 02 |
| 3 | 22 (0.87) | 8 (0.31) | 1776294-3 | TSB230 03 |
| 4 | 30 (1.18) | 16 (0.63) | 1776294-4 | TSB230 04 |
| 5 | 38 (1.50) | 24 (0.94) | 1776294-5 | TSB230 05 |
| 7 | 54 (2.13) | 40 (1.57) | 1776294-7 | TSB230 07 |
| 8 | 62 (2.44) | 48 (1.89) | 1776294-8 | TSB230 08 |
| 12 | 94 (3.70) | 80 (3.15) | 1-1776294-2 | TSB230 12 |

## TSB230 SERIES / EUROPA, HIGH TEMPERATURE -.315”/8mm



### Material & Finish

- **Housing Material** - Polyamide 6/6
- **Flammability -** UL94V-2
- **Housing Color -** Brown
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel, M3
- **Screw Plating -** Zinc with chromate
- **Wire Protector** - Stainless steel

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +150°C (-31°F to +302°F)

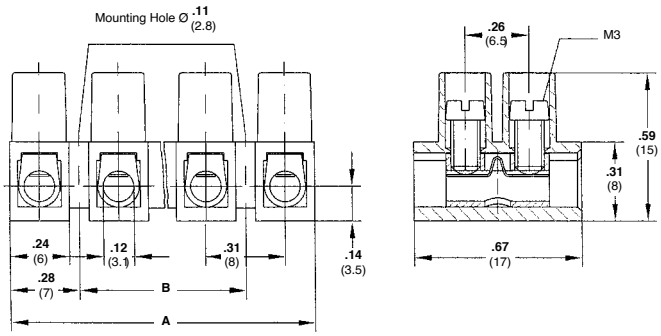
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 8mm (0.315”)
- **Wire Strip Length** - 5mm (0.20”)
- **Min. Wire Pull-Out Force** - 75lbs.
- **Recommended Tightening Torque** - 5 in-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **Maximum Current -** 30A
- **Operating Voltage -** 250V
- **Wire Range -** 12-26 AWG
- **Dielectric Withstand -** 3000V

### Dimension [Unit: in(mm)]

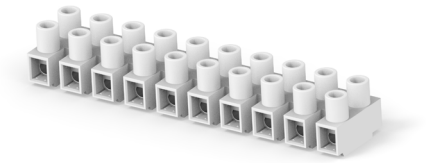



## PRODUCT INFORMATION

| No. of Positions | Dimensions mm(in) | | Wire Protector | |
|---|---|---|---|---|
| | A | B | Part Number | Catalog Number |
| 2 | 14.0 (0.55) | - | 1776293-2 | TSB230 02DS |
| 3 | 22 (0.87) | 8 (0.31) | 1776293-3 | TSB230 03DS |
| 4 | 30 (1.18) | 16 (0.63) | 1776293-4 | TSB230 04DS |
| 5 | 38 (1.50) | 24 (0.94) | 1776293-5 | TSB230 05DS |
| 6 | 46 (1.81) | 32 (1.26) | 1776293-6 | TSB230 06DS |
| 8 | 62 (2.44) | 48 (1.89) | 1776293-8 | TSB230 08DS |
| 9 | 70 (2.76) | 56 (2.20) | 1776293-9 | TSB230 09DS |
| 10 | 78 (3.07) | 64 (2.52) | 1-1776293-0 | TSB230 10DS |
| 12 | 94 (3.70) | 80 (3.15) | 1-1776293-2 | TSB230 12DS |

Note: Minimum order quantities may apply.

## TSB500 SERIES / EUROPA, WITH WIRE PROTECTOR -.394”/10mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability -** UL94V-2
- **Housing Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel, M3
- **Screw Plating -** Zinc with chromate
- **Wire Protector** - Stainless steel

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

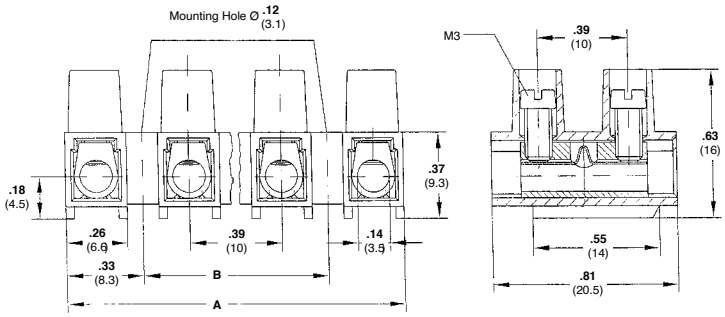
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 10mm (0.394)
- **Wire Strip Length** - 5mm (0.20”)
- **Min. Wire Pull-Out Force** - 75lbs.
- **Recommended Tightening Torque** - 5 in-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **UL Maximum Current -** 30A; 10-22 AWG
- **CSA Maximum Current -** 25A; 12-24 AWG
- **Operating Voltage -** 250V
- **Dielectric Withstand -** 3500V

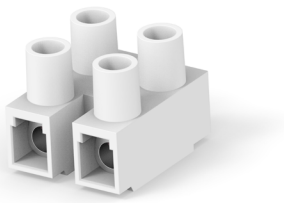
### Dimension [Unit: in(mm)]




## PRODUCT INFORMATION

| No. of Positions | Dimensions: mm(in) | | Wire Protector | |
|---|---|---|---|---|
| | A | B | Part Number | Catalog Number |
| 2 | 14.0 (0.55) | - | 1776295-2 | TSB230 02DS HT |
| 3 | 22 (0.87) | 8 (0.31) | 1776295-3 | TSB230 03DS HT |
| 4 | 30 (1.18) | 16 (0.63) | 1776295-4 | TSB230 04DS HT |
| 5 | 38 (1.50) | 24 (0.94) | 1776295-5 | TSB230 05DS HT |
| 6 | 46 (1.81) | 32 (1.26) | 1776295-6 | TSB230 06DS HT |
| 8 | 62 (2.44) | 48 (1.89) | 1776295-8 | TSB230 08DS HT |
| 9 | 70 (2.76) | 56 (2.20) | 1776295-9 | TSB230 09DS HT |
| 12 | 94 (3.70) | 80 (3.15) | 1-1776295-2 | TSB230 12DS HT |

## TSB500 SERIES / EUROPA, WITH TUNNEL CONNECTION -.394”/10mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability -** UL94V-2
- **Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel, M3
- **Screw Plating -** Zinc with chromate

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

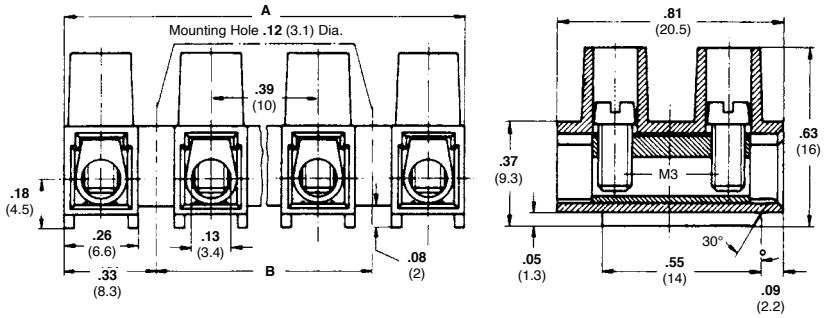
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 10mm (0.394)
- **Wire Strip Length** - 5mm (0.20”)
- **Min. Wire Pull-Out Force** - 75lbs.
- **Recommended Tightening Torque** - 5 in-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **Maximum Current -** 30A
- **Operating Voltage -** 250V
- **Wire Range -** 10-22 AWG
- **Dielectric Withstand -** 3500V

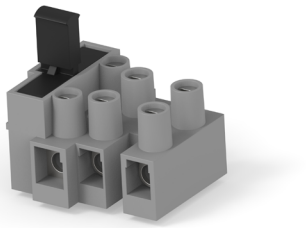
### Dimension [Unit: in(mm)]




## PRODUCT INFORMATION

| No. of Positions | Dimensions : mm(in) | | Tunnel Connection | |
|---|---|---|---|---|
| | A | B | Part Number | Catalog Number |
| 1 | 6.6 (.26) | — | 1776296-1 | TSB500 0131DS |
| 2 | 16.6 (.65) | — | 1776296-2 | TSB500 0231DS |
| 3 | 26.6 (1.05) | 10 (.39) | 1776296-3 | TSB500 0331DS |
| 4 | 36.6 (1.44) | 20 (.79) | 1776296-4 | TSB500 0431DS |
| 5 | 46.6 (1.83) | 30 (1.18) | 1776296-5 | TSB500 0531DS |
| 6 | 56.6 (2.23) | 40 (1.57) | 1776296-6 | TSB500 0631DS |
| 7 | 66.6 (2.62) | 50 (1.97) | 1776296-7 | TSB500 0731DS |
| 8 | 76.6 (3.02) | 60 (2.36) | 1776296-8 | TSB500 0831DS |
| 9 | 86.6 (3.41) | 70 (2.76) | 1776296-9 | TSB500 0931DS |
| 10 | 96.6 (3.80) | 80 (3.15) | 1-1776296-0 | TSB500 1031DS |
| 12 | 116.6 (4.59) | 100 (3.94) | 1-1776296-2 | TSB500 1231DS |

## TSB50Si SERIES / EUROPA, WITH FUSED TERMINAL BLOCKS -.394”/10mm



### Material & Finish

- **Housing Material** - Polyamide 6/6
- **Color -** Gray, handle is black
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel
- **Screw Plating -** Zinc with chromate
- **Wire Protector** - Stainless steel
- **Contacts for Fuses** - Stainless steel spring
- **Tunnel Connection** - Without wire protector

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

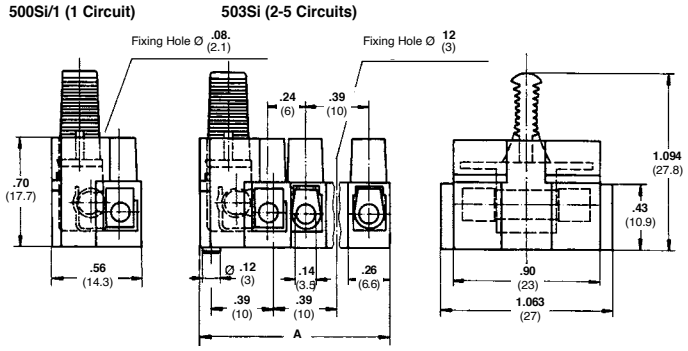
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 10mm (0.394)
- **Wire Strip Length** - 7mm (0.276”)

### Electrical Properties

- **Maximum Current -**
  To VDE 820–Fuse Holder 10A
  To VDE 0100–Terminal Blocks 26A
  To VDE 0700/0711–Terminal Blocks 10A
- **Operating Voltage -**
  Fuse Holder–250V
  Terminal Blocks–400V
- **Wire Range -**
  Wire Protector–12-22 AWG
  Tunnel Connection–12-22 AWG

### Dimension [Unit: in(mm)]

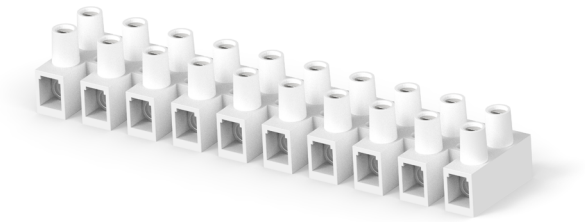



Series 503Si & 503Si...DS version of TSB500 Series with an integrated fuse holder for 5 x 20mm (0.197 x .787) fuses. Protection against unintentional touch of live parts to VBG4 and VDE 0106, part 100 and VDE 0470, part 1. Series 503Si...E & 503Si...EDS include a ground connection.

## PRODUCT INFORMATION

| No. of Positions | Dimension A mm(in) | Tunnel Connection | | Wire Protector | | Tunnel Connection Grounded | | Wire Protector Grounded | |
|---|---|---|---|---|---|---|---|---|---|
| | | Part Number | Catalog Number | Part Number | Catalog Number | Part Number | Catalog Number | Part Number | Catalog Number |
| 1 | 14.3 (0.56) | 1776301-1 | 503Si 1 | 1776301-6 | 503Si 1DS | - | - | - | - |
| 3 | 30 (1.18) | - | 503Si 3 | 1776301-8 | 503Si 3DS | - | 503Si 3E | 2-1776301-3 | 503Si 3EDS |
| 4 | 40 (1.58) | - | 503Si 4 | 1776301-9 | 503Si 4DS | 1-1776301-4 | 503Si 4E | - | 503Si 4EDS |
| 5 | 50 (1.97) | - | 503Si 5 | 1-1776301-0 | 503Si 5DS | - | 503Si 5E | - | 503Si 5EDS |

## TSB1000 SERIES / EUROPA, WITH WIRE PROTECTOR -.472”/12mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability -** UL94V-2
- **Housing Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel, M3.5
- **Screw Plating -** Zinc with chromate
- **Wire Protector** - Stainless steel

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

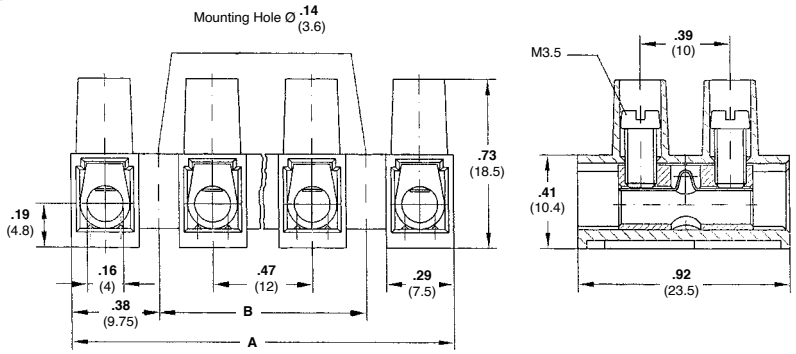
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 12mm (0.472”)
- **Wire Strip Length** - 7mm (0.28”)
- **Min. Wire Pull-Out Force** - 125lbs.
- **Recommended Tightening Torque** - 10 in-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **Maximum Current -** 40A
- **Operating Voltage -** 250V
- **Wire Range -** 10-22 AWG
- **Dielectric Withstand -** 4500V

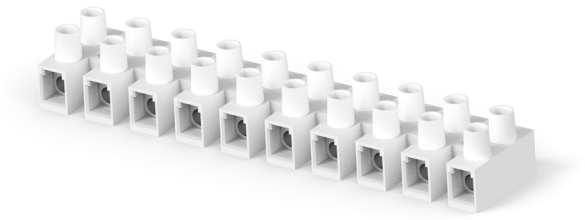
### Dimension [Unit: in(mm)]




## PRODUCT INFORMATION

| No. of Positions | Dimensions: mm(in) | | Wire Protector | |
|---|---|---|---|---|
| | A | B | Part Number | Catalog Number |
| 1 | 7.5 (0.30) | - | 1776302-1 | TSB1000 01DS |
| 2 | 19.5 (0.77) | - | 1776302-2 | TSB1000 02DS |
| 3 | 31.5 (1.24) | 12 (0.47) | 1776302-3 | TSB1000 03DS |
| 4 | 43.5 (1.71) | 24 (0.95) | 1776302-4 | TSB1000 04DS |
| 5 | 55.5 (2.19) | 36 (1.42) | 1776302-5 | TSB1000 05DS |
| 6 | 67.5 (2.66) | 48 (1.89) | 1776302-6 | TSB1000 06DS |
| 7 | 79.5 (3.13) | 60 (2.36) | 1776302-7 | TSB1000 07DS |
| 8 | 91.5 (3.60) | 72 (2.83) | 1776302-8 | TSB1000 08DS |
| 9 | 103.5 (4.07) | 84 (3.31) | 1776302-9 | TSB1000 09DS |
| 10 | 115.5 (4.55) | 96 (3.78) | 1-1776302-0 | TSB1000 10DS |
| 12 | 139.5 (5.49) | 120 (4.72) | 1-1776302-2 | TSB1000 12DS |

## TSB1000 SERIES / EUROPA, WITH TUNNEL CONNECTION -.472”/12mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability -** UL94V-2
- **Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel, M3.5
- **Screw Plating -** Zinc with chromate

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

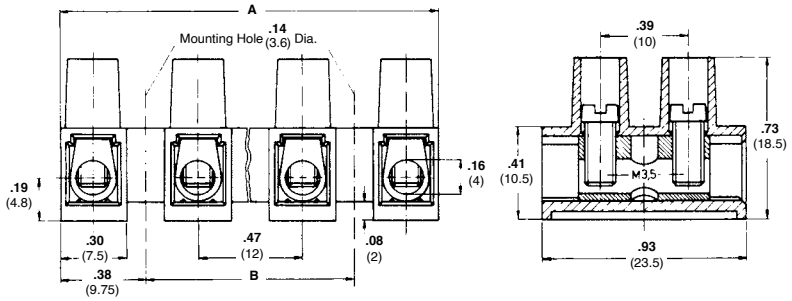
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 12mm (0.472”))
- **Wire Strip Length** - 7mm (0.28”)
- **Min. Wire Pull-Out Force** - 125lbs.
- **Recommended Tightening Torque** - 10 in-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **Maximum Current -** 50A
- **Operating Voltage -** 250V
- **Wire Range -** 8-22 AWG
- **Dielectric Withstand -** 4500V

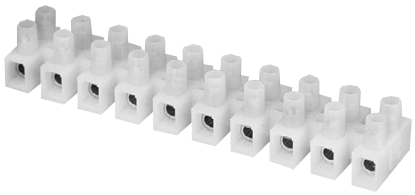
### Dimension [Unit: in(mm)]




## PRODUCT INFORMATION

| No. of Positions | Dimensions: mm(in) | | Tunnel Connection | |
|---|---|---|---|---|
| | A | B | Part Number | Catalog Number |
| 2 | 19.5 (0.77) | - | 1776303-2 | TSB1000 02 |
| 3 | 31.5 (1.24) | 12 (0.47) | 1776303-3 | TSB1000 03 |
| 6 | 67.5 (2.66) | 48 (1.89) | 1776303-6 | TSB1000 06 |
| 10 | 115.5 (4.55) | 96 (3.78) | 1-1776303-0 | TSB1000 10 |

## TSB1500 SERIES / EUROPA -.531”/13.5mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability** - UL94V-2
- **Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel
- **Screw Plating -** Zinc with chromate
- **Wire Protector** - Stainless steel
- **Tunnel Connection** - Without wire protector

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

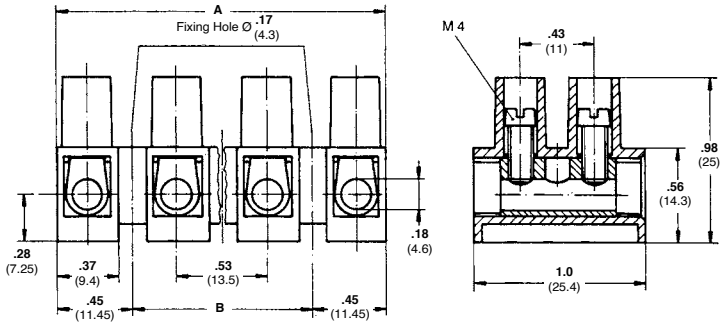
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 13.5mm (0.531”)
- **Wire Strip Length** - 7mm (0.276”)
- **Recommended Tightening Torque** - 10 in.-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **Maximum Current -** 40A (UR); 55A (CSA)
- **Operating Voltage -** 300V
- **Wire Range -**
  Wire Protector– 8-18 AWG
  Tunnel Connection– 8-16 AWG

### Dimension [Unit: in(mm)]

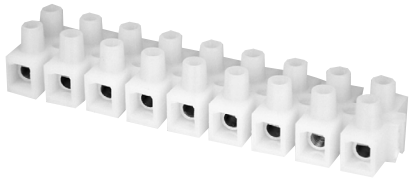



Tunnel Connection Version shown

## PRODUCT INFORMATION

| No. of Positions | Dimensions: mm(in) | | Tunnel Connection | | Wire Protector | |
|---|---|---|---|---|---|---|
| | A | B | Part Number | Catalog Number | Part Number | Catalog Number |
| 2 | 22.9 (0.90) | - | 1776310-2 | TSB1500 02 | 1776311-2 | TSB1500 02DS |
| 4 | 49.9 (1.96) | 27.0 (1.06) | 1776310-4 | TSB1500 04 | - | TSB1500 04DS |
| 8 | 103.9 (4.09) | 81.0 (3.19) | - | TSB1500 08 | 1776311-8 | TSB1500 08DS |
| 12 | 157.9 (6.21) | 135.0 (5.31) | - | TSB1500 12 | 1-1776311-2 | TSB1500 12DS |

## TSB2000 SERIES / EUROPA - .571”/14.5mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability** - UL94V-2
- **Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel
- **Screw Plating -** Zinc with chromate
- **Wire Protector** - Stainless steel
- **Tunnel Connection** - Without wire protector

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

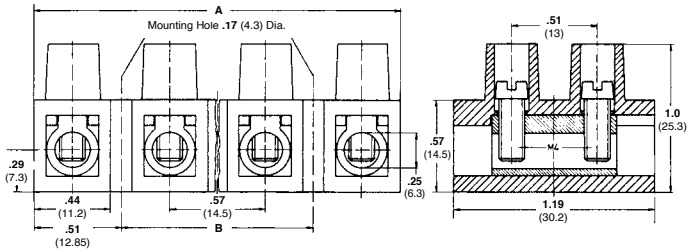
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 13.5mm (0.531”)
- **Wire Strip Length** - 7mm (0.276”)
- **Recommended Tightening Torque** - 10 in.-lbs.
- **Recommended Screwdrivers** - Stanley 1016, Sears Craftsman 41429, Xcelite R184

### Electrical Properties

- **Maximum Current -** 40A (UR); 55A (CSA)
- **Operating Voltage -** 300V
- **Wire Range -**
  Wire Protector– 8-18 AWG
  Tunnel Connection– 8-16 AWG

### Dimension [Unit: in(mm)]

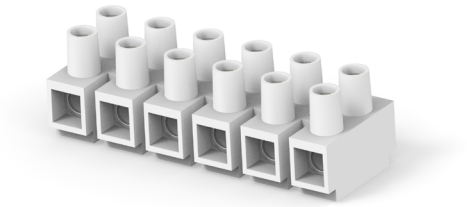



Tunnel Connection Version shown

## PRODUCT INFORMATION

| No. of Positions | Dimensions: mm(in) | | Tunnel Connection | | Wire Protector | |
|---|---|---|---|---|---|---|
| | A | B | Part Number | Catalog Number | Part Number | Catalog Number |
| 1 | 11.2 (0.44) | - | - | TSB2000 01 | 1776313-1 | TSB2000 01DS |
| 2 | 25.7 (1.01) | - | 1776312-2 | TSB2000 02 | 1776313-2 | TSB2000 02DS |
| 3 | 40.2 (1.58) | 14.5 (0.57) | - | TSB2000 03 | 1776313-3 | TSB2000 03DS |
| 4 | 54.7 (2.15) | 29.0 (1.14) | - | TSB2000 04 | 1776313-4 | TSB2000 04DS |
| 5 | 69.2 (2.72) | 43.5 (1.71) | 1776312-5 | TSB2000 05 | 1776313-5 | TSB2000 05DS |
| 6 | 83.7 (3.30) | 58.0 (2.28) | - | TSB2000 06 | 1776313-6 | TSB2000 06DS |
| 8 | 112.7 (4.44) | 87.0 (3.43) | - | TSB2000 08 | 1776313-8 | TSB2000 08DS |
| 10 | 141.7 (5.58) | 116.0 (4.57) | - | TSB2000 10 | 1-1776313-0 | TSB2000 10DS |
| 12 | 170.7 (6.72) | 145.0 (5.71) | - | TSB2000 12 | 1-1776313-2 | TSB2000 12DS |

## TSB2000...US SERIES / EUROPA, HIGH VOLTAGE VERSION -.571”/14.5mm



### Material & Finish

- **Housing Material** - Polyamide 6
- **Flammability -** UL94V-2
- **Housing Color -** Natural (off white)
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel, M3.5
- **Screw Plating -** Zinc with chromate
- **Wire Protector** - Stainless steel

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

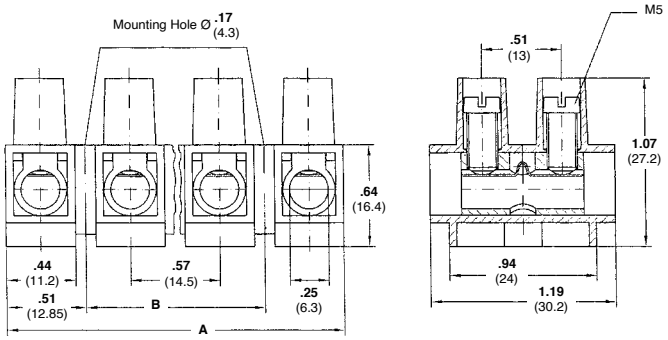
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 14.5mm (0.571”)
- **Wire Strip Length** - 9mm (0.35”)
- **Min. Wire Pull-Out Force** - 150 lbs.
- **Recommended Tightening Torque** - 12 in-lbs.
- **Recommended Screwdrivers** - Stanley 1008, Sears Craftsman 41436, Xcelite R3164

### Electrical Properties

- **Maximum Current -** 65A (UR), 70A (CSA)
- **Operating Voltage -** 600V
- **Wire Range -** 6-14 AWG, (UR), 6-22 AWG, (CSA)
- **Dielectric Withstand -** 6000V

### Dimension [Unit: in(mm)]

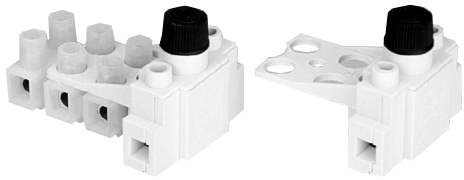



## PRODUCT INFORMATION

| No. of Positions | Dimensions: mm(in) | | Wire Protector | |
|---|---|---|---|---|
| | A | B | Part Number | Catalog Number |
| 3 | 40.2 (1.58) | 14.5 (0.57) | 1776315-3 | TSB2000 03KDS |
| 4 | 54.7 (2.15) | 29.0 (1.14) | 1776315-4 | TSB2000 04KDS |
| 6 | 83.7 (3.30) | 58.0 (2.28) | 1776315-6 | TSB2000 06KDS |
| 8 | 112.7 (4.44) | 87.0 (3.43) | 1776315-8 | TSB2000 08KDS |
| 10 | 141.7 (5.58) | 116.0 (4.57) | 1-1776315-0 | TSB2000 10KDS |
| 12 | 170.7 (6.72) | 145.0 (5.71) | 1-1776315-2 | TSB2000 12KDS |

## EUROPA - TUBULAR SCREW BARRIER STRIPS - ACCESSORIES

## SERIES 500SI - FUSE HOLDER (FOR SERIES TSB500, TSB1000)



### Material & Finish

- **Housing Material** - Polyamide 6/6
- **Color -** Gray
- **Tubular Contact -** Brass, tin plated
- **Screw -** Steel
- **Screw Plating -** Zinc with chromate

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)

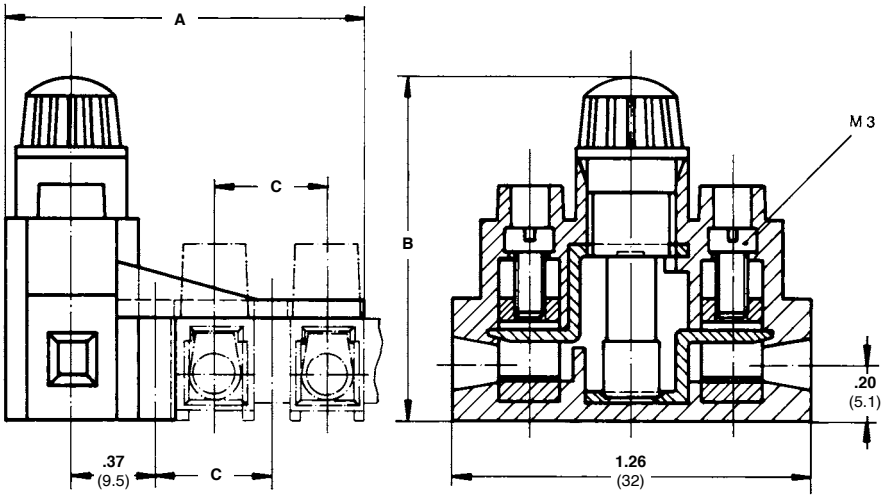
### Mechanical Properties

- **Pitch (Terminal Spacing)** - 10mm (0.394) and 12mm (0.472)
- **Wire Strip Length** - 6.5mm (0.256)

### Electrical Properties

- **Maximum Current -** To VDE 0820 - 10A
  To VDE 0700/0711 - 10A
- **Operating Voltage -** 250V
- **Wire Range -** 12-22 AWG

### Dimension [Unit: in(mm)]




### Series 500Si:

Two versions mate with TSB500 and TSB1000 to provide a fuse holder for 5 x 20mm (0.197 x .787) or 5mm x 25mm (0.197 x .984) fuses. These connectors comply with VDE 0820, part 2.

### Series 500Si...K:

Same as the standard series but provides a raised, transparent "bayonet catch" which serves as a Fuse Link Carrier for fuses 5 x 25mm (0.197 x .984) (with indicator).

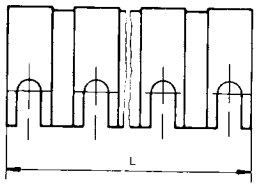
## PRODUCT INFORMATION

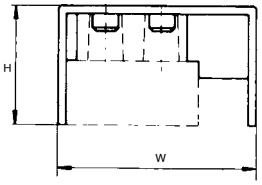
| Part Numbers | |
|---|---|
| **TSB1000** | **TSB500** |
| 1776302-1 | 1776296-1 |
| 1776302-2 | 1776296-2 |
| 1776302-3 | 1776296-3 |
| 1776302-4 | 1776296-4 |
| 1776302-5 | 1776296-5 |
| 1776302-6 | 1776296-6 |
| 1776302-7 | 1776296-7 |
| 1776302-8 | 1776296-8 |
| 1776302-9 | 1776296-9 |
| 1-1776302-0 | 1-1776296-0 |
| 1-1776302-2 | 1-1776296-2 |
| 1776303-2 | 1776297-2 |
| 1776303-3 | 1776297-3 |
| 1776303-6 | 1776297-4 |
| 1-1776303-0 | 1776327-4 |
| | 1-1776327-2 |

| Description | Dimensions: mm(in) | | | Catalog Number |
|---|---|---|---|---|
| | A | B | C | |
| For TSB500 Series | 35 (1.378) | 29 (1.142) | 10 (0.394) | 500Si 5 |
| For TSB1000 Series | 37 (1.457) | 30 (1.181) | 12 (0.472) | 500Si 10 |
| W/Fuse Link Carrier for TSB500 Series | 35 (1.378) | 34 (1.339) | 10 (0.394) | 500Si 5K |
| W/Fuse Link Carrier for TSB1000 Series | 37 (1.457) | 35 (1.378) | 12 (0.472) | 500Si 10K |

## COVERS - SERIES ABK






**Series ABK 405, 406, & 415 Covers**

These covers mate with Series TSB500, TSB1000 and TSB1500. They do not mate with TSB500 SK.

### Material & Finish

- **Housing Material** - Polyamide 6/6
- **Color -** Gray

### Environmental Properties

- **Continuous Working Temperature -** 100°C (212°F)

### COVER FOR TSB500 SERIES

| Dimensions L x W x H | Catalog Number |
|---|---|
| 18 x 29 x 18.8 (0.709 x 1.142 x .740) | ABK 405 02 |
| 28 x 29 x 18.8 (1.102 x 1.142 x .740) | ABK 405 03 |
| 38 x 29 x 18.8 (1.496 x 1.142 x .740) | ABK 405 04 |
| 58 x 29 x 18.8 (2.283 x 1.142 x .740) | ABK 405 06 |
| 118 x 29 x 18.8 (4.646 x 1.142 x .740) | ABK 405 12 |

### COVER FOR TSB1000 SERIES

| Dimensions L x W x H | Catalog Number |
|---|---|
| 21 x 35.5 x 20.7 (0.827 x 1.398 x .815) | ABK 406 02 |
| 33 x 35.5 x 20.7 (1.299 x 1.398 x .815) | ABK 406 03 |
| 45 x 35.5 x 20.7 (1.772 x 1.398 x .815) | ABK 406 04 |
| 69 x 35.5 x 20.7 (2.717 x 1.398 x .815) | ABK 406 06 |
| 141 x 35.5 x 20.7 (5.551 x 1.398 x .815) | ABK 406 12 |

### COVER FOR TSB1500 SERIES

| Dimensions L x W x H | Catalog Number |
|---|---|
| 24 x 37.5 x 25.5 (0.945 x 1.476 x 1.004) | ABK 415 02 |
| 37.5 x 37.5 x 25.5 (1.476 x 1.476 x 1.004) | ABK 415 03 |
| 51 x 37.5 x 25.5 (2.008 x 1.476 x 1.004) | ABK 415 04 |
| 78 x 37.5 x 25.5 (3.071 x 1.476 x 1.004) | ABK 415 06 |
| 158 x 37.5 x 25.5 (6.220 x 1.476 x 1.004) | ABK 415 12 |

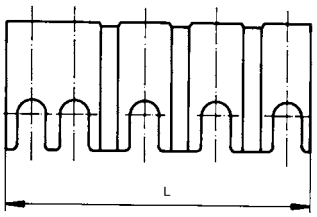
| TSB1500 Part Numbers |
|---|
| 1776310-2 |
| 1776310-4 |
| 1776311-2 |
| 1776311-8 |
| 1-1776311-2 |

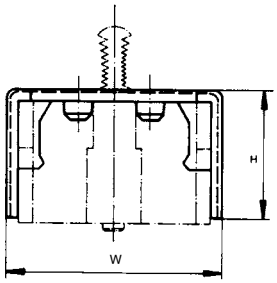
### SERIES ABK 503 COVERS

These covers mate with Series 503Si.

### COVER FOR 503SI SERIES

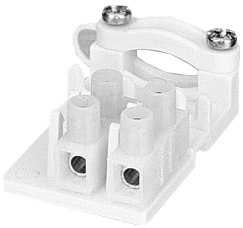
| Dimensions L x W x H | Catalog Number |
|---|---|
| 13.5 x 30.5 x 18.5 (0.531 x 1.201 x .728) | ABK 503 02 |
| 24 x 30.5 x 18.5 (0.945 x 1.201 x .728) | ABK 503 03 |
| 33.5 x 30.5 x 18.5 (1.319 x 1.201 x .728) | ABK 503 04 |
| 43 x 30.5 x 18.5 (1.693 x 1.201 x .728) | ABK 503 05 |



## SERIES 500...ZEL - STRAIN RELIEF (FOR SERIES TSB500)

Strain reliefs are provided with a captive clamping mechanism that can be rotated by 180° accommodating variable sizes of conductors. Two Phillips screws are enclosed. A cable guide comb for TSB500 of 3 or more circuits fixes the Europa block to the strain relief. A screw mounts the Europa block to the 500 3ZEL; a catch pin mounts the block to the 500 3ZELRZ

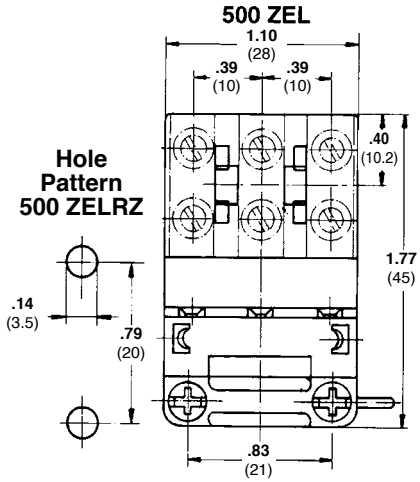


### Material & Finish

- **Housing Material** - Polyamide 6/6
- **Color -** White
- **Tracking Resistance -** CTI 600
- **Screw -** Steel
- **Screw Plating -** Zinc with yellow chromate C 2.9 x 13mm (0.114 x .512)

### Environmental Properties

- **Continuous Working Temperature -** -35°C to +100°C (-31°F to +212°F)




## PRODUCT INFORMATION

| Description | Part Number | Catalog Number |
|---|---|---|
| For Series TSB500 | 1546182-1 | 500 3ZEL |

## ENGINEERING NOTES

te.com

©2026 TE Connectivity plc. All Rights Reserved.

TE Connectivity, TE connectivity (logo) and Every Connection Counts are trademarks owned or licensed by the TE Connectivity lc. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any changes to the information contained herein without prior notice. TE Connectivity assumes only those obligations set forth in the terms and conditions for this product and shall in no event be liable for any incidental, indirect, or consequential damages arising out of the sale, resale, use, or misapplication of the product. TE expressly disclaims any implied warranties with respect to the information contained herein, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose. Dimensions, specifications and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications and/or information. Users of TE Connectivity products must make their own assessment as to whether the respective product is suitable for the respective desired application.

02/26 ED