

1761678-1 ✓ ACTIVE

## AMP-LATCH

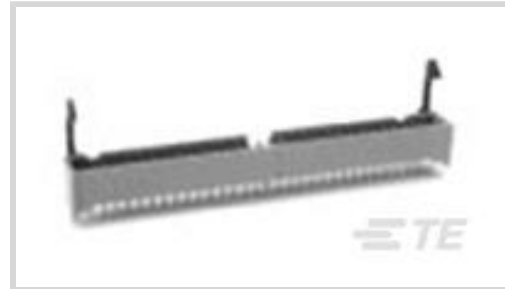
TE Internal #: 1761678-1

Ribbon Cable Connectors, Wire-to-Board, 40 Position, 2.54mm [.1in] Centerline, Vertical, Through Hole - Solder, Row-to-Row Spacing 2.54 mm [.1 in]

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors



Connector System: **Wire-to-Board**

Number of Positions: **40**

Centerline (Pitch): **2.54 mm [.1 in]**

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

### Features

#### Product Type Features

Connector Type	Header
Ribbon Cable Connector Header Type	Pin Header
Connector Mating Latch & Lock Type	Short
Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board

#### Configuration Features

Number of Positions	40
PCB Mount Orientation	Vertical
Number of Rows	2

#### Electrical Characteristics

Insulation Resistance	5000 M $\Omega$
Operating Voltage	250 VAC

#### Body Features

Connector Profile	Low
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#### Contact Features

PCB Contact Termination Area Plating Material Thickness	2.54 $\mu$ m[100 $\mu$ in]
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Mating Pin Diameter	.64 mm[.025 in]
Contact Type	Pin
	15 µin
Contact Mating Area Plating Material	Gold Flash
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	1 A

### Termination Features

Round Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	2.6 mm[.102 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
Panel Mount Feature	Without
PCB Mount Retention	Without
Mating Alignment Type	Center, Dual Polarizing Bar
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount

### Housing Features

Mating Entry Location	Top
Housing Material	PBT
Housing Color	Black
Centerline (Pitch)	2.54 mm[.1 in]

### Dimensions

Shrouded End Dimension	3.75 mm[.1476 in]
Connector Length	50.8 mm[2 in]
Connector Height	8.89 mm[.35 in]
Row-to-Row Spacing	2.54 mm[.1 in]



### Usage Conditions

Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]

### Operation/Application

Circuit Application	Signal
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### Industry Standards

UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	40
Packaging Method	Tray

### Other

Comment	For Use With AMP-Latch Receptacle
Position Locations Omitted	20

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

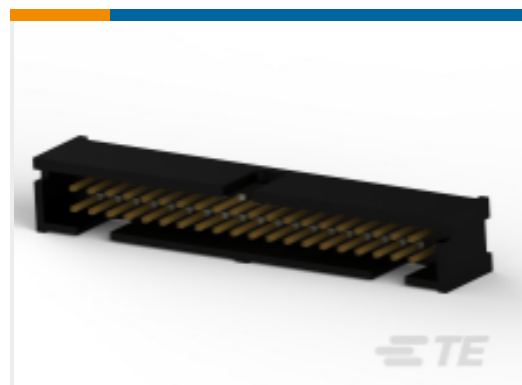
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUN 2020 (209) Candidate List Declared Against: JUL 2019 (201) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

#### Product Compliance Disclaimer

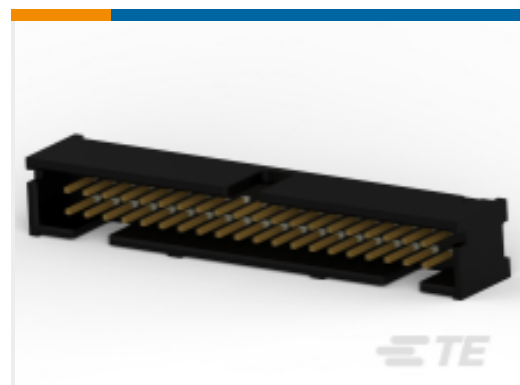
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides

on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



TE Model / Part # 5103309-8  
A/L LOW PRO HDR 40P VERT BLACK



TE Model / Part # 5103308-8  
A/L LOW PRO HDR 40P VERT BLACK



TE Model / Part # 1658621-9  
40 NOVO MIL/CTR 15DP, LEAD FREE

## Customers Also Bought



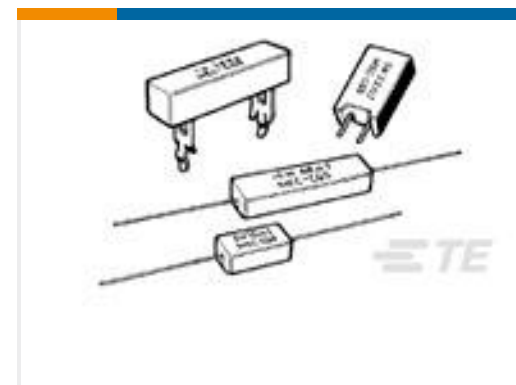
TE Model / Part #1437652-1  
6PCR-08-008=6 SERIES ASSEMBLY



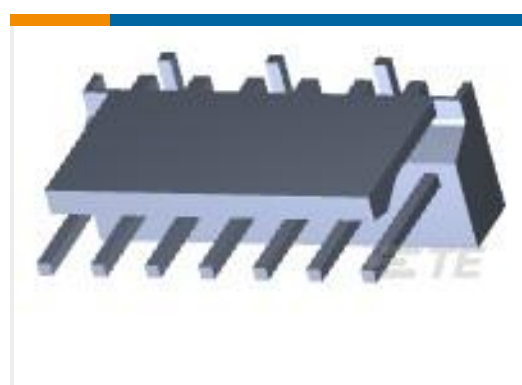
TE Model / Part #3-1879352-5  
RR02 5% 8R2 AMMO



TE Model / Part #2176340-3  
CRGCQ 0603 2R2 5%



TE Model / Part #1-1623795-8  
SQP10 8R2 5% WIRE



TE Model / Part #3-647166-7  
7P MTA100 HDR ASSY, SM, FL, LF



TE Model / Part #4-1393118-3  
KUP-17A19-24=KU



TE Model / Part #109452-4  
RING TONGUE 170 18-14 AWG PTPBR



TE Model / Part #4-103795-0  
80 MODII HDR DRRA B/A .100CL

## Documents

### Product Drawings

IDC LOW PRO HDR 39/40P VERT SH

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_1761678-1\\_F.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_1761678-1\\_F.3d\\_stp.zip](#)



English

### Customer View Model

[ENG\\_CVM\\_1761678-1\\_F.2d\\_dxf.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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### Product Specifications

[Product Specification](#)

English

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### Agency Approvals

[UL Report](#)

English