

1-5499160-1 ✓ ACTIVE

AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 1-5499160-1

Wire-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers, Ribbon Cable Connectors

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

AMP-LATCH UNIVERSAL HEADERS



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

Number of Positions: **60**

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

PCB Mount Retention: **Without**

PCB Mount Orientation: **Vertical**

[All AMP-LATCH UNIVERSAL HEADERS \(523\)](#)

Features

Electrical Characteristics

Operating Voltage	250 VAC
Insulation Resistance	5000 MΩ

Industry Standards

UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	24
Packaging Method	Package

Usage Conditions

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

Contact Features



Contact Underplating Material	Nickel, Palladium Nickel
PCB Contact Termination Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
Mating Square Post Dimension	.64 mm[.025 in]
Contact Shape & Form	Square
PCB Contact Termination Area Plating Material Thickness	2.54 μm [100 μin]
Contact Mating Area Plating Material	Gold or Gold Flash over Palladium Nickel
Contact Base Material	Phosphor Bronze, Brass
PCB Contact Termination Area Plating Material	Tin
Contact Type	Pin
Contact Current Rating (Max)	1 A

Body Features

Mating Retention Feature Color	Black
Mating Retention Feature Material	Glass Filled Polyester, Glass Filled Nylon
Primary Product Color	Black
Connector Profile	Standard

Dimensions

Shrouded End Dimension	3.81 mm[.15 in]
PCB Thickness (Recommended)	1.57 mm[.062 in]
Connector Height	13.94 mm[.548 in]
Connector Length	95.5 mm[3.76 in]
Row-to-Row Spacing	2.54 mm[.1 in]

Termination Features

Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	2.79 mm[.11 in]
Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

Panel Mount Feature	Without
Contact Retention Type Within Housing	Press-Fit
Panel Mount Feature Type	Mounting Ears
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without



Mating Alignment Type	Center & Dual
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount

Housing Features

Housing Material	Glass-Filled Nylon/Polyester
Centerline (Pitch)	2.54 mm [.1 in]

Product Type Features

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

Configuration Features

Number of Positions	60
PCB Mount Orientation	Vertical
Number of Rows	2

Operation/Application

Circuit Application	Signal
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241)



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

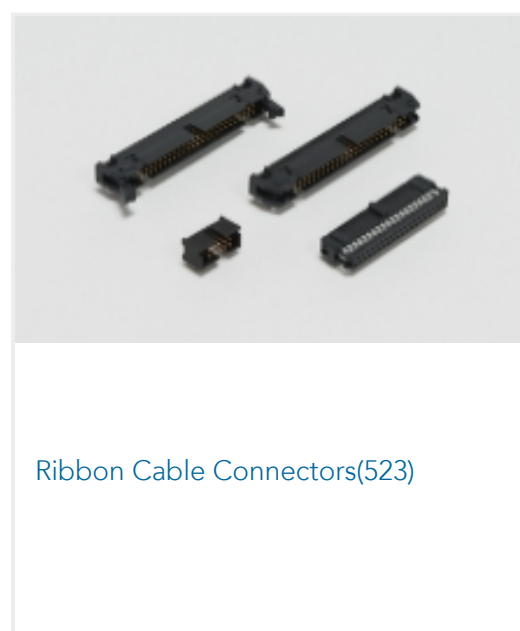
Product Compliance Disclaimer

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



Also in the Series | AMP-LATCH Universal Headers



Customers Also Bought



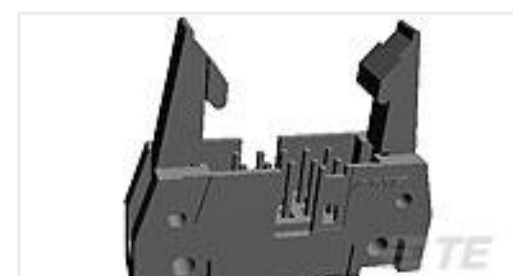
TE Part #175365-5
DYNAMIC 3500 HDR ASSY 20P



TE Part #3-641190-5
05P MTA100 CONN ASSY RED LF



TE Part #745886-1
25 RCPT SP/MS CNUT



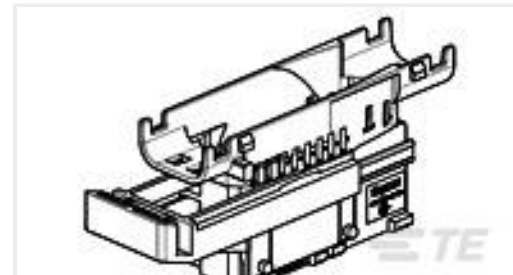
TE Part #499910-4
020 UNIV HDR SP 4S 15DP STD L2



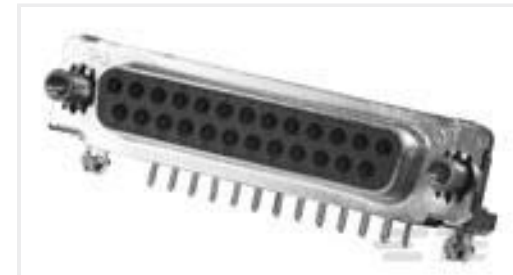
TE Part #5745185-1
15 RCPT SP/MS STD



TE Part #534183-E
SMCQ 16 M AB VV 8-13 CL * H007 137 E005



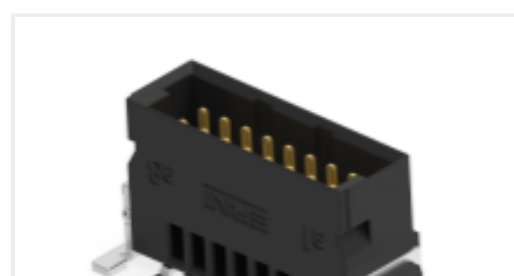
TE Part #1394522-1
MIXED SOCKET HOUSING, 42POS. ,



TE Part #745782-4
15 MSFL RCPT RA 318 (IN,FM)



TE Part #474320-E
SMCQ 12 M AB VV 8-03 CL * H007 137 E005



TE Part #474321-E
SMCQ 16 M AB VV 8-03 CL * H007 137 E005

Documents

Product Drawings

[A/L UNIV HDR 60P VERT SHT LAT](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-5499160-1_C.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5499160-1_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-5499160-1_C.3d_stp.zip](#)

English

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Product Specifications

1-5499160-1

Wire-to-Board, 60 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers, Ribbon Cable Connectors



Product Specification

English