



AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 102321-1
Board-to-Board, 10 Position, 2.54 mm [.1 in] Centerline, Vertical,
Through Hole - Solder, 2 Row, AMP-LATCH Universal Headers,
Ribbon Cable Connectors

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AMP-LATCH UNIVERSAL HEADERS



Connector System: **Board-to-Board**
Number of Positions: **10**
Centerline (Pitch): **2.54 mm [.1 in]**
PCB Mount Retention: **Without**
PCB Mount Retention Type: **Screw Mount**

[All AMP-LATCH UNIVERSAL HEADERS \(525\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	10
PCB Mount Orientation	Vertical
Number of Rows	2

Electrical Characteristics

Insulation Resistance	5000 MΩ
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Operating Voltage	250 VAC
Body Features	
Daisy Chain	Without
Primary Product Color	Black
Connector Profile	Standard
Contact Features	
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 µm[100 µin]
Contact Type	Pin
	30 µin
Contact Mating Area Plating Material	Gold, Gold Flash, Gold Flash over Palladium Nickel
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Current Rating (Max)	1 A
Termination Features	
Termination Post & Tail Diameter	.64 mm[.025 in]
Termination Post & Tail Length	3.94 mm[.155 in]
Termination Method to PCB	Through Hole - Solder
Mechanical Attachment	
Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without
PCB Mount Retention Type	Screw Mount
Mating Alignment Type	Center, Dual Polarizing Bar
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount
Housing Features	
Housing Material	Thermoplastic



Centerline (Pitch)	2.54 mm[.1 in]
Dimensions	
Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	32 mm[1.26 in]
Connector Height	8.53 mm[.34 in]
PCB Thickness (Recommended)	3.18 mm[.125 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Usage Conditions	
Housing Temperature Rating	Standard
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Operation/Application	
Solder Process Feature	Solder Dipped
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	54
Packaging Method	Tray
Product Compliance	
For compliance documentation, visit the product page on TE.com>	
EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	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) SVHC > Threshold: Pb (13% in Component Part) Article Safe Usage Statements: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 Part # 1658527-4
622-1041LF FEM SOCKET, LEAD FREE



TE Part # 1658528-2
636-1041LF FEM SOCKET, LEAD FREE



TE Part # 102320-1
UNIVERSAL HEADER LATCH

Also in the Series | AMP-LATCH Universal Headers



Connector Hardware(13)

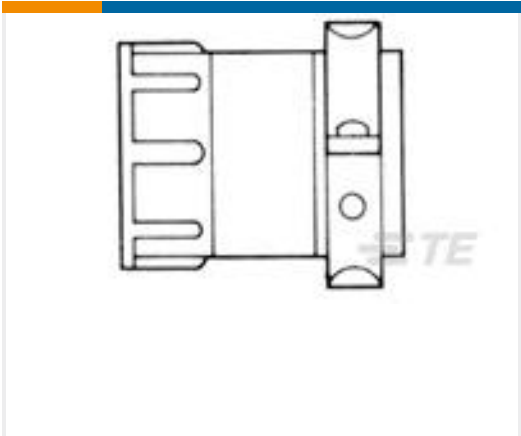


Ribbon Cable Connectors(525)

Customers Also Bought



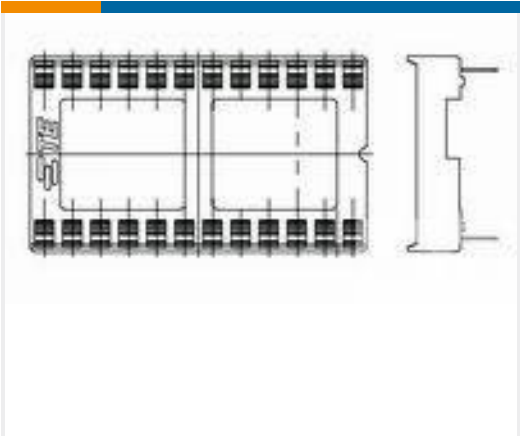
TE Part #205206-9
CRIMP SNAP PLUG ASSY, SIZE 2



TE Part #206322-9
CABLE CLAMP SIZE 17



TE Part #5205207-1
HD RECPT ASSY SIZE 3



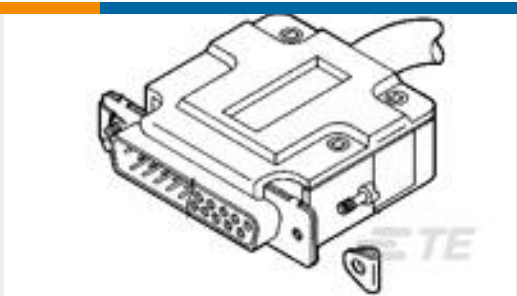
TE Part #1-2199299-5
40P, DIP SKT, 600 CL, LDR, PB FREE



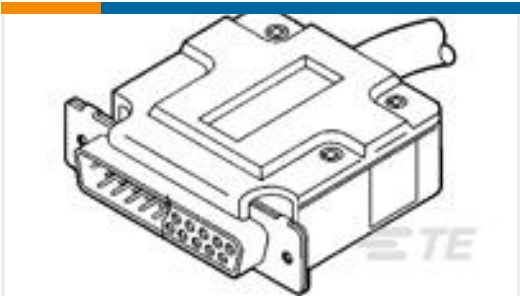
TE Part #640250-6
06P SL156 HSG W/LCK RAMP NATL



TE Part #3-770522-1
SL156 HOODED CONTACT, LP LF



TE Part #5207908-4
STRAIN REL W/SCREW RET KIT



TE Part #207467-1
CABLE CLAMP KIT, SZ 1



TE Part #1-5745968-6
25 PLUG SP/FMS SCRLK

Documents

Product Drawings

010 UNIV HDR SP 4S 30DP STD L1

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_102321-1_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_102321-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_102321-1_G.3d_stp.zip

English

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

Product Specifications

Product Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

AMP INSTALLATION PROCEDURES FOR AMP-LATCH UNIVERSAL HEADER ASSEMBLIE

English



Agency Approvals
Agency Approval Document
English