

AMP-LATCH

TE Internal #: 111715-8  
Board-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Vertical,  
Through Hole - Solder, 2 Row, Receptacle, Low Profile, Ribbon  
Cable Connectors

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



Connector System: **Board-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 Product Type	Connector Assembly
Ribbon Cable Connector Header Type	Pin Header
Connector System	Board-to-Board
Connector & Housing Type	Receptacle
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

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

Body Features

Daisy Chain	With
Primary Product Color	Black
Connector Profile	Low

Contact Features

Contact Mating Area Plating Material Thickness	2.54 μm[100 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 Flash
Contact Base Material	Brass
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Type	Pin
Contact Current Rating (Max)	1 A

Termination Features

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

Mechanical Attachment

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

Housing Features

Housing Material	Nylon - GF
Centerline (Pitch)	2.54 mm[.1 in]

Dimensions

Shrouded End Dimension	3.88 mm[.152 in]
Connector Height	9.86 mm[.39 in]
Connector Length	58.42 mm[2.3 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
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Packaging Features

Packaging Quantity	40
Packaging Method	Tube

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) <b>Article Safe Usage Statements:</b> 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Not lead free process capable

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

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

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

Customers Also Bought

TE Part #723384-000  
ST18-5-55-24-90

TE Part #YDIV46E23-35SDC009  
PLUG ASSY

TE Part #729389-000  
D-659-0062

TE Part #8-1676966-0  
SMW2 2R7 1%

TE Part #YDIV44E17-35SBV001  
RECP ASSY

TE Part #1617167-1  
JMSCDD-12XP = M39016/21-036P

TE Part #3-1617542-1  
JMAPD-12XL=M39016/15-037L

TE Part #1060031-1  
4852 3575 02, OS-29 JACK

TE Part #312386-000  
D-602-0171-C8898

TE Part #YDIV44E25-61PDC003  
RECP ASSY

Documents

Product Drawings

39/40 LOW PROFILE HEADER

English

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_111715-8\_B.2d\_dxf.zip



English

Customer View Model

[ENG\\_CVM\\_111715-8\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_111715-8\\_B.3d\\_stp.zip](#)

English

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Product Specifications

[Product Specification](#)

English