

#### **AMP-LATCH**

TE Internal #: 111782-8

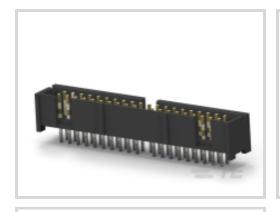
Board-to-Board, 40 Position, 2.54 mm [.1 in] Centerline, Vertical, Through Hole - Solder, 2 Row, Receptacle, Low Profile, Ribbon

Cable Connectors

View on TE.com >

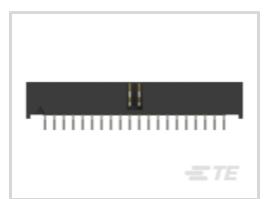


Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors











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**

| Ribbon Cable Connector Header Type | Pin Header            |
|------------------------------------|-----------------------|
| 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                | 40                    |
| PCB Mount Orientation              | Vertical              |
| Number of Rows                     | 2                     |
| Electrical Characteristics         |                       |
| Insulation Resistance              | 5000 MΩ               |

With

Black

**Body Features** 

Daisy Chain

Primary Product Color



| Contact Features  Mating Square Post Dimension  PCB Contact Termination Area Plating Material Thickness  Contact Type  Contact Mating Area Plating Material | Low  .64 mm[.025 in]  2.54 μm[100 μin]  Pin           |
|---|---|
| Mating Square Post Dimension  PCB Contact Termination Area Plating Material Thickness  Contact Type   | 2.54 μm[100 μin]                                      |
| PCB Contact Termination Area Plating Material Thickness  Contact Type   | 2.54 μm[100 μin]                                      |
| Contact Type  |   |
|   | Pin   |
| Contact Mating Area Plating Material  |   |
| Contact Mating Area Plating Material  | 15 μin  |
|   | Gold, Gold Flash, Gold Flash over<br>Palladium Nickel |
| Contact Shape & Form  | Square  |
| Contact Underplating Material   | Palladium Nickel                                      |
| PCB Contact Termination Area Plating Material   | Tin-Lead  |
| Contact Current Rating (Max)  | 1 A   |
| Termination Features  |   |
| Square Termination Post & Tail Dimension  | .64 mm[.025 in]                                       |
| Termination Post & Tail Length  | 3.05 mm[.12 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   |
| 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  |   |
| Connector Length  | 2.3 mm, 58.42 mm                                      |
| Shrouded End Dimension  | 3.94 mm[.155 in]                                      |
| Connector Height  | 9.86 mm[.39 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          | 40                         |

Tube

## **Product Compliance**

Packaging Method

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                               | 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



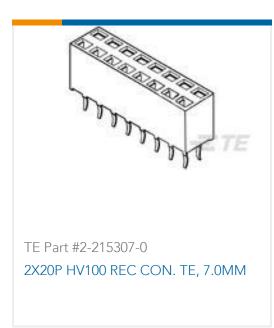
# Compatible Parts

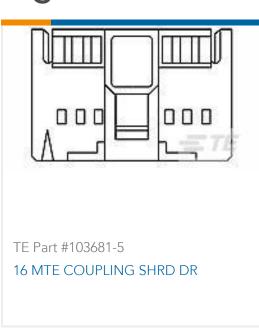






# Customers Also Bought











TE Part #MS121-00000U-100PG
PRESS XDCR MS121-00000U-100PG

## **Documents**

**Product Drawings** 

039/040 LOPRO HDR SP 15DP

English

039/040 LOPRO HDR SP 15DP

English

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_111782-8\_G.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_111782-8\_G.3d\_igs.zip

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



English

**Customer View Model** 

ENG\_CVM\_CVM\_111782-8\_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