1-1888381-3 ACTIVE

AMP-LATCH

TE Internal #: 1-1888381-3

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

Displacement (IDC), 2 Row

View on TE.com >

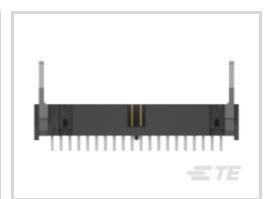


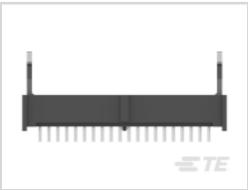
Connectors > PCB Connectors > Wire-to-Board Connectors > FFC, FPC & Ribbon Connectors > Ribbon Cable Connectors











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

| Troduct Type reductes | |
|------------------------------------|-----------------------|
| Connector Type | Header |
| Ribbon Cable Connector Header Type | Pin Header |
| Connector Mating Latch & Lock Type | Long |
| 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 |
| Body Features | |
| Connector Profile | Low |

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 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 | 3.05 mm[.12 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |
| Termination Method to Wire & Cable | Insulation Displacement (IDC) |
| 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 | Тор |
| Housing Material | PBT |
| Housing Color | Black |
| Centerline (Pitch) | 2.54 mm[.1 in] |
| Dimensions | |
| Shrouded End Dimension | 3.94 mm[.155 in] |
| Connector Length | 58.5 mm[2.3 in] |
| | |



| Connector Height | 10.26 mm[.4 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 |
| Industry Standards | |
| UL Flammability Rating | UL 94V-0 |
| Packaging Features | |
| Packaging Quantity | 50 |
| Packaging Method | Tray |
| Other | |
| | |

For Use With AMP-Latch Receptacle

Product Compliance

Comment

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: JAN 2022 (223) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Not Yet Reviewed |
| 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





Customers Also Bought









Documents

Product Drawings

IDC LOW PRO HDR 40P VERT LG LA

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1888381-3_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1888381-3_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1888381-3_C.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use