



Connectors > PCB Connectors > Board-In Connectors



PCB Connector Assembly Type: **PCB Mount One-Piece IDC Connector**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **7**

Centerline (Pitch): **2 mm [.079 in]**

Features

Electrical Characteristics

|                   |         |
|-------------------|---------|
| Operating Voltage | 125 VDC |
|-------------------|---------|

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Dimensions

|                             |                       |
|-----------------------------|-----------------------|
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |
| Connector Height            | 5.1 mm[.201 in]       |
| Connector Length            | 16 mm[.63 in]         |

Packaging Features

|                    |           |
|--------------------|-----------|
| Packaging Quantity | 180       |
| Packaging Method   | Tray, Box |

Contact Features

|                                               |                 |
|-----------------------------------------------|-----------------|
| Contact Base Material                         | Phosphor Bronze |
| PCB Contact Termination Area Plating Material | Pre-Tin         |
| Contact Current Rating (Max)                  | 2 A             |

Mechanical Attachment

|                          |                        |
|--------------------------|------------------------|
| PCB Mount Retention Type | Retention Solder Tails |
| PCB Mount Alignment      | Without                |
| PCB Mount Retention      | With                   |



Termination Features

|                                |                          |
|--------------------------------|--------------------------|
| Termination Post & Tail Length | 3.5 mm[.138 in]          |
| Termination Method to PCB      | Through Hole - Press-Fit |

Product Type Features

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| PCB Connector Assembly Type       | PCB Mount One-Piece IDC Connector   |
| Connector System                  | Wire-to-Board                       |
| Connector & Contact Terminates To | Printed Circuit Board, Wire & Cable |

Configuration Features

|                                   |               |
|-----------------------------------|---------------|
| PCB Mount Orientation             | Vertical      |
| Number of Positions               | 7             |
| Compatible With Wire & Cable Type | Discrete Wire |
| Number of Rows                    | 1             |

Body Features

|                       |            |
|-----------------------|------------|
| Primary Product Color | Light Blue |
|-----------------------|------------|

Housing Features

|                    |               |
|--------------------|---------------|
| Centerline (Pitch) | 2 mm[.079 in] |
| Housing Material   | PBT GF        |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -40 – 105 °C[-40 – 221 °F] |
|-----------------------------|----------------------------|

Operation/Application

|                     |        |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

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 260°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 # 58074-1  
MTA 50/100/156 MANUAL TOOL FRAME



TE Part # 2-173977-7  
CT CONN MT REC ASSY 7P L/B



TE Part # 58372-1  
HEAD (IDC) 2MM C.T. W/O TL

Customers Also Bought



TE Part #CAT-D9934-A83A  
DYNAMIC 5000 REC AND TAB HSG



TE Part #1318110-1  
DYNAMIC D-2000 TAB CONT S



TE Part #5172625-3  
DRAWER CONN. FEMALE ASSY 24P



TE Part #178483-1  
UP 3.96 6P PLUG HSG NATRL



TE Part #292254-5  
CT RELAY HDR ASSY 5P NAT



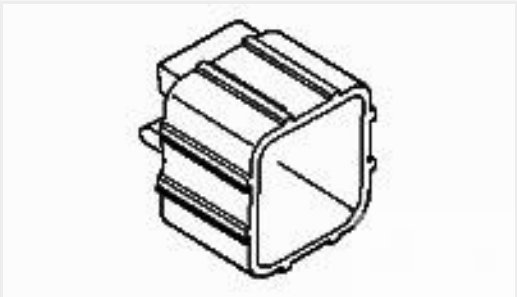
TE Part #170262-4  
EIS CONNECTOR FORMING



TE Part #170354-1  
LOW PROFILE E.I. CONNECTOR



TE Part #1827569-2  
DYNAMIC D1000 REC CONT S AU  
0.38um FORM



TE Part #1-174265-1  
E-J MK-2 CAP HSG 6P NATURAL

Documents

CAD Files

3D PDF

English

Customer View Model

ENG\_CVM\_2-173985-7\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_2-173985-7\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_2-173985-7\_F.3d\_stp.zip

English

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

Product Specifications

Application Specification

English

Instruction Sheets

MINI PRESS CT CONNECTOR (WAS IS-553J)

Japanese

Instruction Sheet (non U.S.)

Japanese