# 2-173985-7 ✔ ACTIVE

AMP-IN

TE Internal #: 2-173985-7

Board-In PCB Mount One-Piece IDC Connector, Vertical, Wire-to-Board, 7 Position, 2 mm [.079 in] Centerline, Discrete Wire, Through Hole - Press-Fit

View on TE.com >

Connectors > PCB Connectors > Board-In Connectors



PCB Connector 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

### Product Type Features

| | |
|---|---|
| PCB Connector 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 |

### Electrical Characteristics

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

### Body Features

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

### Contact Features

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

### Termination Features

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|---|---|
| Termination Post & Tail Length | 3.5 mm[.138 in] |

| | |
|---|---|
| Termination Method to PCB | Through Hole - Press-Fit |

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

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

### Usage Conditions

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

### Operation/Application

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

### Industry Standards

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

### Packaging Features

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

## 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 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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 # 2-173977-7
CT CONN MT REC ASSY 7P L/BLUE



TE Part # 58074-1
MTA 50/100/156 MANUAL TOOL FRAME

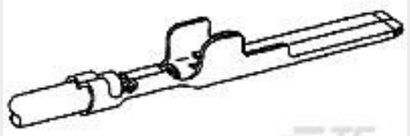


TE Part # 58372-1
HEAD (IDC) 2MM C.T. W/O TL

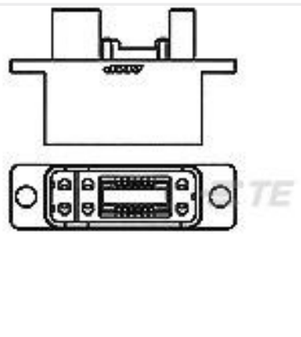
## Customers Also Bought



TE Part #179317-4
HYBRID MINI DRAWER REC CONT.#2



TE Part #179322-3
HYBRID MINI DRAWER TAB CONT.#2



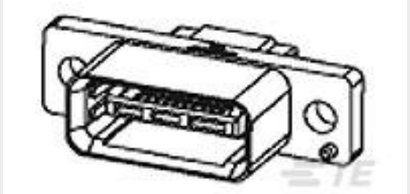
TE Part #1-292183-2
PLUG ASS'Y OF HYB DRAWER 18P



TE Part #1-292215-2
MINI CT SGL RELAY 12P NAT



TE Part #2-292215-3
MINI CT SGL RELAY 3P BLACK



TE Part #3-292234-0
1.5 MINI CT DC DRAWER PLUG ASS



TE Part #2-292254-2
CT RELAY HDR ASSY 2P BLUE



TE Part #3-353294-2
AMP MINI D/R HDR HSG 32P NATU



TE Part #4-353294-0
AMP MINI D/R HDR HSG 40P NATU

TE Part #8-292112-4
MT REC ASSY (#26,28)

## 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