

2-173983-8 ✓ ACTIVE

AMP-IN

TE Internal #: 2-173983-8

PCB Mount One-Piece IDC Connector, Horizontal, Wire-to-Board, 8 Position, .079 in [2 mm] Centerline, Discrete Wire, Through Hole - Solder

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Connectors > PCB Connectors > Board-In Connectors



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

PCB Mount Orientation: **Horizontal**

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

Number of Positions: **8**

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

Features

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 | Horizontal |
| Number of Positions | 8 |
| Compatible With Wire & Cable Type | Discrete Wire |
| Number of Rows | 1 |

Electrical Characteristics

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|-------------------|---------|
| Operating Voltage | 125 VAC |
|-------------------|---------|

Body Features

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|-----------------------|--------------|
| Primary Product Color | Cream Yellow |
|-----------------------|--------------|

Contact Features

| | |
|---|-----------------|
| Contact Layout | Inline |
| Contact Shape & Form | Tuning Fork |
| PCB Contact Termination Area Plating Material | Pre-Tin |
| Contact Base Material | Phosphor Bronze |
| Contact Current Rating (Max) | 2 A |

Termination Features

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|---|-----------------------|
| Termination Post & Tail Length | 3.5 mm[.138 in] |
| Termination Method to Printed Circuit Board | Through Hole - Solder |

Mechanical Attachment

| | |
|--------------------------|----------------|
| PCB Mount Alignment Type | Polarized Lock |
| PCB Mount Retention Type | Kinked Legs |
| 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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|-----------------------------|-----------------------|
| Connector Length | 18 mm[.709 in] |
| Connector Height | 4 mm[.157 in] |
| PCB Thickness (Recommended) | .8 mm[.031 – .063 in] |

Usage Conditions

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|-----------------------------|----------------------------|
| Operating Temperature Range | -30 – 105 °C[-30 – 105 °F] |
|-----------------------------|----------------------------|

Operation/Application

| | |
|--------------------------|----------------------|
| Assembly Process Feature | Pick and Place Cover |
| Circuit Application | Signal |

Industry Standards

| | |
|------------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

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|--------------------|-----------|
| Packaging Quantity | 160 |
| Packaging Type | Box, Tray |

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed |
| 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

| | | | |
|---|---|---|--|
|  <p>TE Part # 58074-1 MTA 50/100/156 MANUAL TOOL FRAME</p> |  <p>TE Part # 58372-1 HEAD (IDC) 2MM C.T. W/O TL</p> |  <p>TE Part # 2-173977-8 CT MT REC ASS'Y 8P BLUE</p> |  <p>TE Part # 911790-1 WEZAG PISTOL GRIP TOOL</p> |
|---|---|---|--|

Customers Also Bought

| | | | |
|--|--|---|--|
|  <p>TE Part #175658-1 070 MLC W-W PLUG HSG 6P</p> |  <p>TE Part #212608-1 PLUG HSG,4 POSN,METRIMATE</p> |  <p>TE Part #61386-1 RING CRIMP 20-16 AWG TPBR</p> |  <p>TE Part #212609-1 RECEPT HSG,4 POSN,METRIMATE</p> |
|--|--|---|--|



Documents

Product Drawings

[AMP CT MT AMP-IN HDR-H YEL 8P](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_2-173983-8_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_2-173983-8_F.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_2-173983-8_F.2d_dxf.zip](#)

English

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

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_2-173983-8_03032017156_dmtec](#)

English

[MD_2-173983-8_03032017156_dmtec](#)

English

Instruction Sheets

[MINI PRESS CT CONNECTOR \(WAS IS-553J\)](#)

Japanese

[Instruction Sheet \(non U.S.\)](#)

Japanese