

2-173985-7 ✓ ACTIVE

AMP-IN

TE Internal #: 2-173985-7

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

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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

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 |

Electrical Characteristics

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

Body Features

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

Contact Features

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|---|-----------------|
| 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] |
|--------------------------------|-----------------|



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|---|--------------------------|
| Termination Method to Printed Circuit Board | 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

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

Usage Conditions

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

Operation/Application

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

Industry Standards

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

Packaging Features

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|--------------------|-----------|
| Packaging Quantity | 180 |
| Packaging Type | 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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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



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

Product Environmental Compliance



[Product Compliance](#)

English

[Product Compliance](#)

English

[Instruction Sheets](#)

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

Japanese

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

Japanese