

2-173983-9 ✓ ACTIVE

AMP-IN

TE Internal #: 2-173983-9

PCB Mount One-Piece IDC Connector, Horizontal, Wire-to-Board, 9 Position, 2 mm [.079 in] 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: **9**

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	9
Compatible With Wire & Cable Type	Discrete Wire
Number of Rows	1

Housing Features

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

Termination Features

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

Body Features

Primary Product Color	Cream Yellow
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Mechanical Attachment

PCB Mount Alignment	Without
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PCB Mount Retention	With
PCB Mount Retention Type	Kinked Legs
PCB Mount Alignment Type	Polarized Lock

Contact Features

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

Operation/Application

Circuit Application	Signal
Assembly Process Feature	Pick and Place Cover

Packaging Features

Packaging Method	Tray, Box
Packaging Quantity	140

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-22 – 221 °F]
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Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	125 VDC
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Dimensions

PCB Thickness (Recommended)	.8 mm[.031 – .063 in]
Connector Height	4 mm[.157 in]
Connector Length	20 mm[.787 in]

Industry Standards

UL Flammability Rating	UL 94V-0
Compatible With Approved Standards Products	UL E28476, CSA LR7189

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	Not applicable for solder process capability

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

[AMP CT MT AMP-IN HDR-H YEL 9P](#)

English

CAD Files

[3D PDF](#)

English

Customer View Model

[ENG_CVM_2-173983-9_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_2-173983-9_F.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_2-173983-9_F.2d_dxf.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Instruction Sheets

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

Japanese

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

Japanese