2-173983-7 ✔ ACTIVE

AMP-IN

TE Internal #: 2-173983-7

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

View on TE.com >

Connectors > PCB Connectors > Board-In Connectors



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

PCB Mount Orientation: **Horizontal**

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	Horizontal
Number of Positions	7
Compatible With Wire & Cable Type	Discrete Wire
Number of Rows	1

Electrical Characteristics

Operating Voltage	125 VDC

Body Features

Primary Product Color	Cream Yellow

Contact Features

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

Termination Features

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

Mechanical Attachment

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

Housing Features

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

Dimensions

PCB Thickness (Recommended)	.8 mm[.031 – .063 in]
Connector Height	4 mm[.157 in]
Connector Length	16 mm[.63 in]

Usage Conditions

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

Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards

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

Packaging Features

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) Candidate List Declared Against: JUNE 2025 (250) 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



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 #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



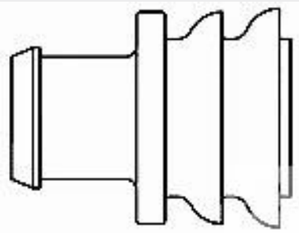
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

Documents

Product Drawings

AMP CT MT AMP-IN HDR-H YEL 7P

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_2-173983-7_F.3d_igs.zip

English

Customer View Model

ENG_CVM_2-173983-7_F.3d_stp.zip

English

Customer View Model

ENG_CVM_2-173983-7_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

Instruction Sheets

MINI PRESS CT CONNECTOR (WAS IS-553J)

Japanese

Instruction Sheet (non U.S.)

Japanese