



AMP-IN

TE Internal #: 3-173983-2
PCB Mount Header, Right Angle, Wire-to-Board, 12 Position, 2mm [.079in] Centerline, 1 Row, Pre-Tin, Cream Yellow Housing Color, One Piece - IDC

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Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Headers & Receptacles



PCB Connector Assembly Type: **PCB Mount Header**
PCB Mount Orientation: **Right Angle**
Connector System: **Wire-to-Board**
Number of Positions: **12**
Centerline (Pitch): **2 mm [.079 in]**

Features

Product Type Features

PCB Connector Assembly Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	One Piece - IDC
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board, Wire & Cable

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	125 VAC
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Contact Features

Contact Layout	Inline
Contact Retention Within Housing	Without
Contact Shape & Form	Tuning Fork
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Base Material	Phosphor Bronze
Contact Mating Area Plating Material	Pre-Tin



Contact Mating Area Plating Material Finish	Matte
Contact Mating Area Plating Material Thickness	1 μm[39.37 μin]
Contact Type	Pin
Contact Current Rating (Max)	2 A

Termination Features

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
Strain Relief	With
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Retention Type	Kinked Legs
Mating Retention Type	Retention Solder Tails
PCB Mount Alignment	Without
Mating Retention	Without
PCB Mount Retention	With
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Length	26 mm[1.024 in]
Connector Height	4 mm[.157 in]
PCB Thickness (Recommended)	.8 mm[.031 – .063 in]

Usage Conditions

Operating Temperature Range	-30 – 105 °C[-30 – 105 °F]
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Operation/Application

Assembly Process Feature	Pick and Place Cover
Circuit Application	Signal

Industry Standards



UL Flammability Rating	UL 94V-0
CSA File Number	LR 7189
UL File Number	E28476

Packaging Features

Packaging Quantity	110
Packaging Method	Tray, Tray/Box

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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # 58074-1
MTA 50/100/156 MANUAL TOOL
FRAME



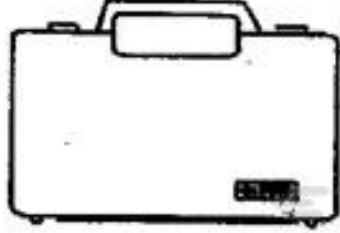
TE Part # 58372-1
HEAD (IDC) 2MM C.T. W/O TL



TE Part # CAT-AM7053-C7671
MINI COMMON TERMINATION
CONTACTS



TE Part # CAT-AM7017-H8172
AMP COMMON TERMINATION
HOUSINGS



TE Part # 911790-1
WEZAG PISTOL GRIP TOOL

Customers Also Bought



TE Part #2-175133-6
CT DOUBLE ROW 26P HOLDER
NATU.



TE Part #3-173983-0
CT AMP-IN ASSY 10P H YELLOW



TE Part #3-179608-0
CT DBL ROW HOLDER, MT, 30P, NA



TE Part #7-173977-4
AMP COMMON TERMINATION
HOUSINGS



TE Part #1-353581-2
DRAWER CONN TAB CONT
REREELING



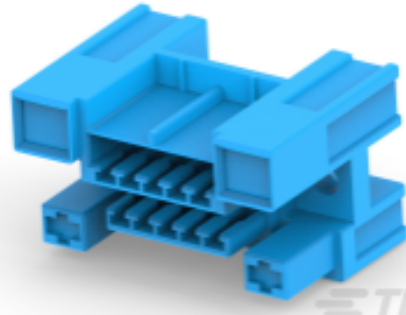
TE Part #2-292157-4
CT RELAY W/COMMONING BAR 4P
NA



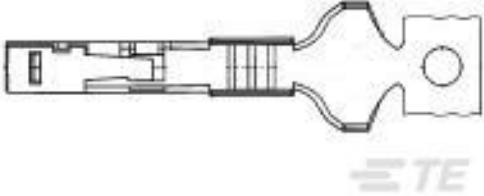
TE Part #3-173983-4
AMP CT MT AMP-IN HCR-H YEL 14P



TE Part #3-292248-4
1.5 MINI CT LATTICE CABLE KIT



TE Part #353009-1
HIGH CURRENT DRAWER CONN.
HSG



TE Part #353439-1
POWER CARD CONN REC CONT

Documents



Product Drawings

AMP CT MT AMP-IN HDR-H YEL 12P

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_3-173983-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_3-173983-2_F.3d_stp.zip

English

Customer View Model

ENG_CVM_3-173983-2_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

Product Compliance

English

Product Compliance

English

Instruction Sheets

MINI PRESS CT CONNECTOR (WAS IS-553J)

Japanese

Instruction Sheet (non U.S.)

Japanese