172457-2 ✔ ACTIVE

AMP

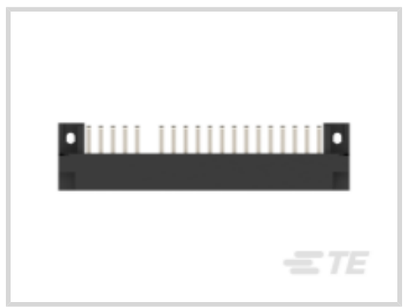
TE Internal #: 172457-2

PCB Mount Header, Right Angle, Wire-to-Board, 40 Position, 5.08 mm [.2 in] Centerline, Fully Shrouded, Gold (Au), Through Hole - Solder, Power, Black

View on TE.com >

Connectors > PCB Connectors > PCB Headers & Receptacles







PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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

Number of Positions: **40**

Centerline (Pitch): **5.08 mm [.2 in]**

Features

Product Type Features

Connector Shape	Rectangular
PCB Connector Type	PCB Mount Header
Connector System	Wire-to-Board
Header Type	Fully Shrouded
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
Connector Product Type	Connector Assembly

Configuration Features

PCB Mount Orientation	Right Angle
Number of Positions	40
Number of Rows	2
Number of Power Positions	40

Electrical Characteristics

Operating Voltage	350 VAC

Body Features

Primary Product Color	Black

Contact Features

Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material Thickness	2 µm[78.74 µin]
Contact Layout	Matrix
Contact Base Material	Copper Nickel Tin
Contact Mating Area Plating Material	Gold (Au)
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]
Contact Type	Tab
Contact Current Rating (Max)	6 A
PCB Contact Termination Area Plating Material	Tin

Termination Features

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

Mechanical Attachment

Mating Retention Type	Polarized Lock
Mating Alignment Type	Polarization
PCB Mount Retention Type	Mounting Hole
PCB Mount Alignment	Without
Mating Retention	With
PCB Mount Retention	With
Connector Mounting Type	Board Mount
Mating Alignment	With

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Material	PBT GF

Dimensions

Row-to-Row Spacing	10.16 mm[.4 in]
Connector Width	28.2 mm[1.11 in]
Connector Height	20.5 mm[.807 in]
Connector Length	121.9 mm[4.799 in]

Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Glow Wire Rating	Standard Part - Not Glow Wire
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	15
Packaging Method	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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.05% in Component Part) **Article Safe Usage Statements:** Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 240°C

Product Compliance Disclaimer

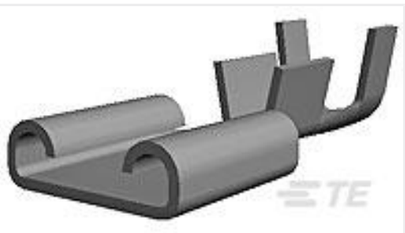
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



TE Part # 172450-2
PLUG HSG 40P MULTI TAP

Customers Also Bought



TE Part #170180-2
205 FASTON,REC.,18-14 AWG,TPBR



TE Part #175217-3
DYNAMIC REC CONTACT M L/P



TE Part #175405-1
IEC BACK HSG 96P



TE Part #CAT-D9934-A75B
Receptacle and Tab Housing: 5.08 mm Pitch, 250-600V



TE Part #178289-8
DYNAMIC D3100 REC HSG 20P



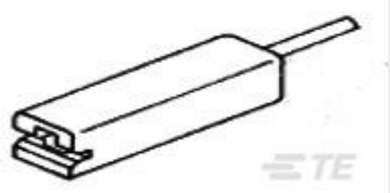
TE Part #178307-2
DYNAMIC D3100 HDR ASSY 16P PdNI & Au



TE Part #1-179958-2
DYNAMIC D-5200S REC HSG 2P K/X



TE Part #1-316132-3
DYNAMIC D-3200 HDR ASSY 5P V PdNI



TE Part #1-480417-0
110 FASTON HSG.,REC.,1 POS, NATRUAL

Documents

Product Drawings

POST HDR ASSY 40P MULTI TAP

Japanese

CAD Files

Customer View Model

ENG_CVM_CVM_172457-2_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_172457-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_172457-2_B.3d_igs.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Product Specification

English

I/O Connector Series, Multi-Tap Connector

English

Agency Approvals

Agency Approval Document

English