

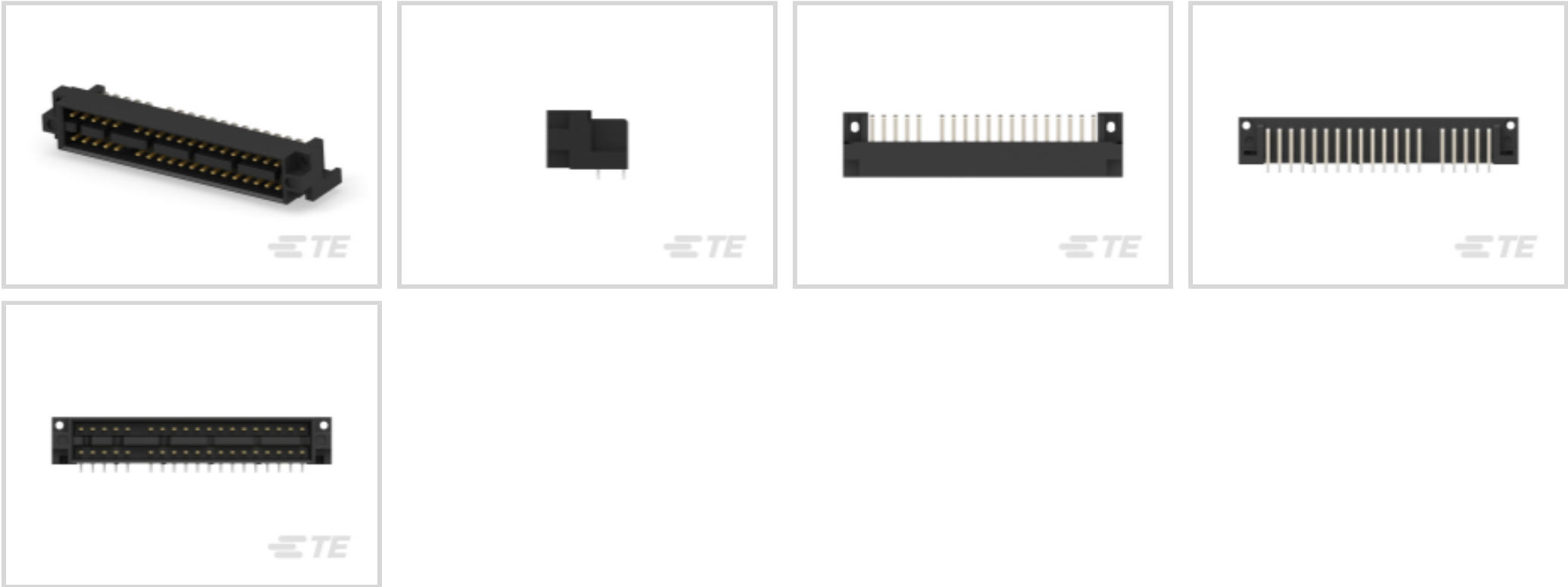


AMP

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**  
Number of Rows: **2**

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

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

Electrical Characteristics

Operating Voltage	350 VAC
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Body Features

Primary Product Color	Black
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Contact Features

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

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

Housing Features

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

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
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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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Pb (3.05% in Component Part) <b>Article Safe Usage Statements:</b> 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 #CAT-D9934-A75F  
DYNAMIC 3200 HDR ASSY



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



TE Part #178325-3  
DYNAMIC D3100D HDR V 10P ASSY  
AU076



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



TE Part #5-1625999-4  
HSC100 R50 5%



TE Part #6376608-2  
MICRO STACK REC ASSY 80P WITH  
TAPE



TE Part #1-179552-3  
DYNAMIC D-3200 WTW TAB HSG 3P



TE Part #1-201046-2  
SERIES "M" MIN RECT GUIDE PIN

### 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