



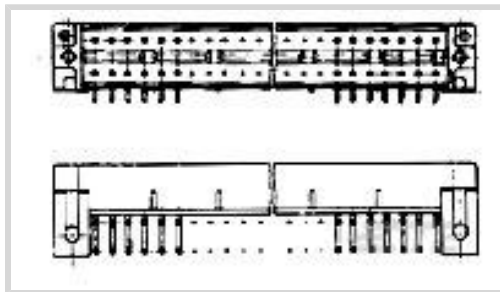
AMP

TE Internal #: 172457-2

Rectangular Power Connectors, Header, Receptacle, Wire-to-Board, 40 Position, 5.08 mm [.2 in] Centerline, Printed Circuit Board, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **40**

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

Features

Product Type Features

Header Type	Fully Shrouded
Rectangular Power Connector Type	Header
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of Positions	40
PCB Mount Orientation	Right Angle
Number of Power Positions	40
Number of Signal Positions	0
Number of Rows	2

Electrical Characteristics

Operating Voltage	350 VDC
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Contact Features

Contact Current Rating (Max)	6 A
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin



Contact Mating Area Plating Material	Gold
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Contact Mating Area Plating Material Thickness	.76 μm [30 μin]
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Contact Termination Area Plating Thickness	2 μm
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Termination Features

Termination Post & Tail Length	3.5 mm[.138 in]
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Termination Method to Wire & Cable	Crimp
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Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Strain Relief	Without
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Connector Mounting Type	Board Mount
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Housing Features

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

Row-to-Row Spacing	10.16 mm[.4 in]
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Height	20.5 mm[.807 in]
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Length	121.9 mm[4.799 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 $^{\circ}\text{C}$ [-67 – 221 $^{\circ}\text{F}$]
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Operation/Application

Circuit Application	Power
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Industry Standards

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

Packaging Method	Box
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Packaging Quantity	15
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Other

For Use With	Receptacle Assembly
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (.11% 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



Documents

Product Drawings

[POST HDR ASSY 40P MULTI TAP](#)

Japanese



Product Specifications

Product Specification

English

I/O Connector Series, Multi-Tap Connector

English

Agency Approvals

Agency Approval Document

English