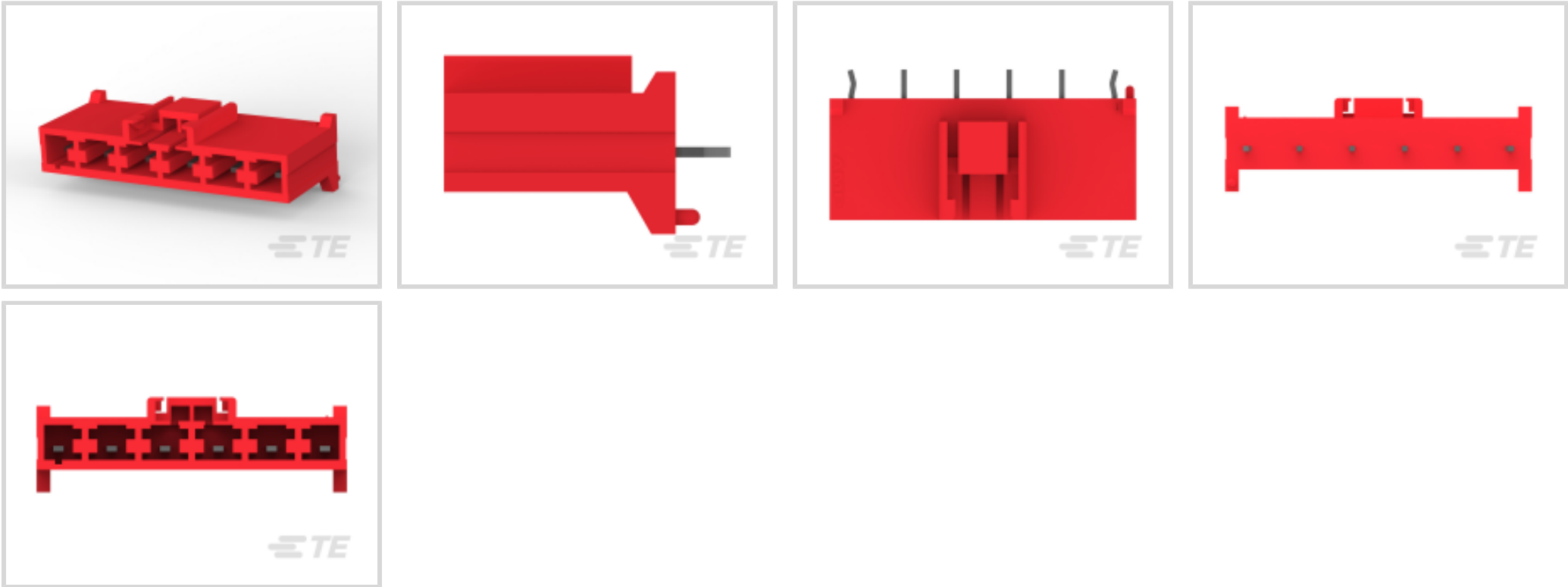




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

Centerline (Pitch): **6.2 mm [.244 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	6
PCB Mount Orientation	Vertical
Number of Power Positions	6
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	300 VAC
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Contact Features

Contact Mating Area Plating Material	Tin
Contact Current Rating (Max)	11 A
Contact Retention Within Housing	Without
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

Connector Mounting Type	Board Mount
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Housing Features

Centerline (Pitch)	6.2 mm[.244 in]
Housing Color	Red
Housing Material	Nylon 6/6 GF

Usage Conditions

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

Circuit Application	Power
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Industry Standards

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

Packaging Features

Packaging Quantity	120
Packaging Method	Box & Tray, 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 2023 (235)
Candidate List Declared Against: JUNE 2023 (235)
Does not contain REACH SVHC

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Wave solder capable to 265°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 # 6-178842-1
AMP U/P SGL ROW PLUG HSG 6P

TE Part # 6-178842-4
AMP PU 2.6PITCH PLUG HSG 6P

Also in the Series | AMP Universal Power

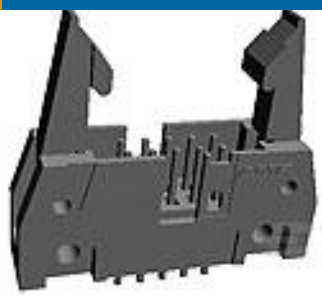
Connector Contacts(1)

Insertion & Extraction Tools(1)

Power Contacts(21)

Rectangular Power Connectors(169)

Customers Also Bought



TE Part #1-5499206-0
A/L UNIV HDR 50P VERT LG LAT



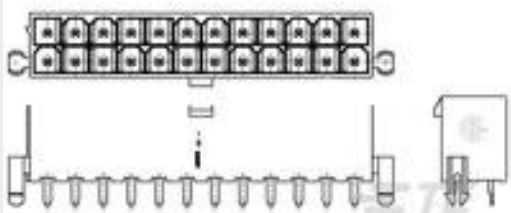
TE Part #640456-2
02P MTA100 HDR ASSY F/L SQ STR



TE Part #1-6609006-7
IEC Filtered Inlets, Corcom EEJ Series



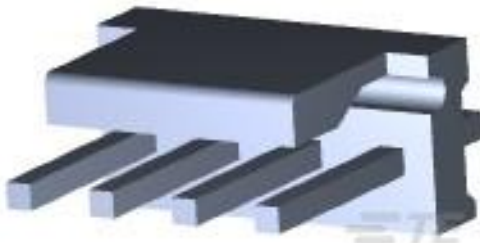
TE Part #2-2176057-8
RLP73K 3A R13 1% 1K RL



TE Part #1586039-6
6P VAL-U-LOK VRT HDR W/P V2



TE Part #770166-1
02P MINI-UMNL ASSY VO SNNI*



TE Part #640445-4
04P MTA156 HDR ASSY FL/STR SN



TE Part #5-1623927-6
CFR16 5% 270R



TE Part #1623291-1
CRG0805 1% 82R

Documents

Product Drawings

AMP U/P SGL ROW HDR ASSY V 6P

Japanese

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_4-178841-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_4-178841-2_E.3d_stp.zip

English

Customer View Model

ENG_CVM_4-178841-2_E.2d_dxf.zip

English

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_4-178841-2_H.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-178841-2_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_4-178841-2_H.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Crimping of Universal Power Contact](#)

English

[Product Specification](#)

Japanese

[AMP Universal Power Connector](#)

Japanese

Instruction Sheets

[AMP UNIVERSAL POWER CONNECTOR SERIES](#)

English

[Instruction Sheet \(non U.S.\)](#)

English

Agency Approvals

[UL Report](#)

English