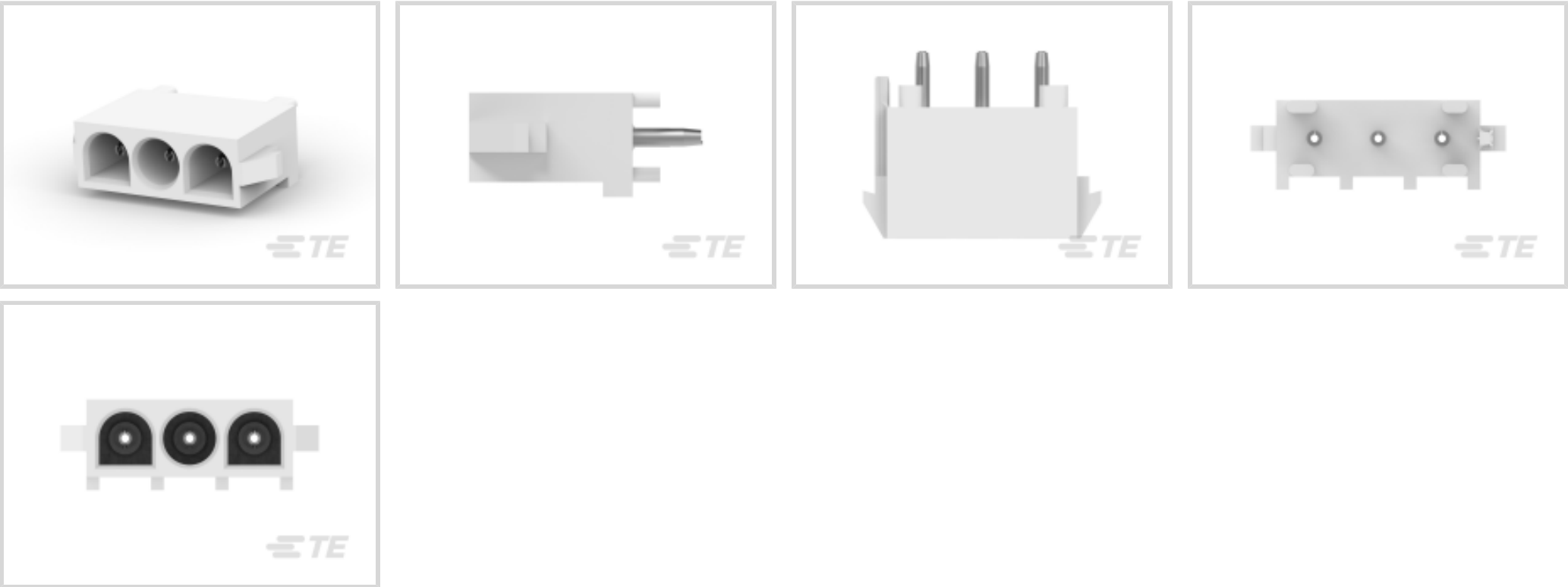




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **3**

Centerline (Pitch): **6.35 mm [.25 in]**

Features

Product Type Features

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	3
PCB Mount Orientation	Vertical
Number of Power Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Inline
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Contact Base Material	Phosphor Bronze
Contact Current Rating (Max)	12 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Pre-Tin
Contact Mating Area Plating Material Thickness	3.81 – 5.08 µm[150 – 200 µin]

Termination Features

Termination Post & Tail Length	5.84 mm[.229 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Strain Relief	Without
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Centerline (Pitch)	6.35 mm[.25 in]
Housing Color	White
Housing Material	Nylon

Dimensions

PCB Thickness (Recommended)	.06 mm[1.57 in]
Width	7.62 mm[.3 in]
Height	13.97 mm[.549 in]
Length	20.32 mm[.8 in]

Usage Conditions

Operating Temperature Range	-40 – 105 °C[-40 – 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 Method	Bag
Packaging Quantity	100

Other

For Use With	Plug Housing
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Product Compliance

For compliance documentation, visit the product page on TE.com>

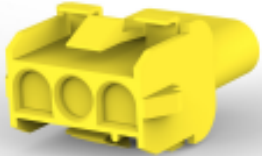
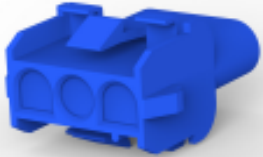
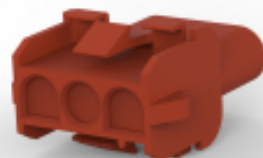
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # 1-480701-4 03P UMNL CAP HSG YELL	 TE Part # 1-350767-9 03P UMNL V0 CAP HSG BLACK	 TE Part # 1-480701-2 03P UMNL CAP HSG RED	 TE Part # 1586077-1 03P UMNL PIN HDR ASSY W/O DRNS
 TE Part # 1586076-1 02P UMNL PIN HDR W/O DRNS V2	 TE Part # 794880-1 09P UMNL PIN HDR ASSY 94VO	 TE Part # 794876-1 02P UMNL PIN HDR ASSY POL 94VO	 TE Part # 1-480701-0 03P UMNL CAP HSG NATL
 TE Part # 1586134-1 05P UMNL PIN HDR V2 NATL NDH	 TE Part # 1586849-1 03P UMNL CAP HSG NATL, GW	 TE Part # 1-480701-9 03P UMNL CAP HSG BLK	 TE Part # 1-480701-6 03P UMNL CAP HSG BLU
 TE Part # 794878-1 03P UMNL PIN HDR ASSY 94VO	 TE Part # 2-480701-0 03P UMNL CAP HSG NATL	 TE Part # 1-480701-8 03P UMNL CAP HSG GRY	 TE Part # 1586161-1 02P UMNL HDR 94VO NDH
 TE Part # 1586681-2 12P UMNL PIN HDR ASSY 94VO SL	 TE Part # 1586174-1 06P UMNL PIN HDR 94VO NDH	 TE Part # 2029002-1 09P UMNL HDR ASSY PC, NDH	 TE Part # 1-480701-1 03P UMNL CAP HSG BRN

Also in the Series | Universal MATE-N-LOK



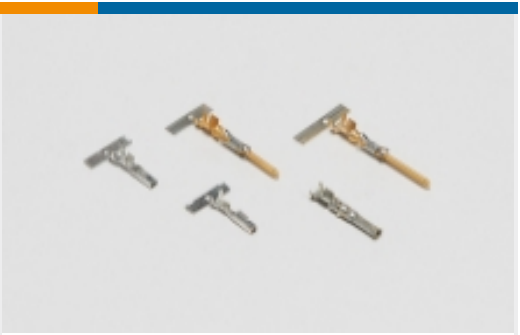
Circular Power Connectors(2)



Connector Contacts(11)



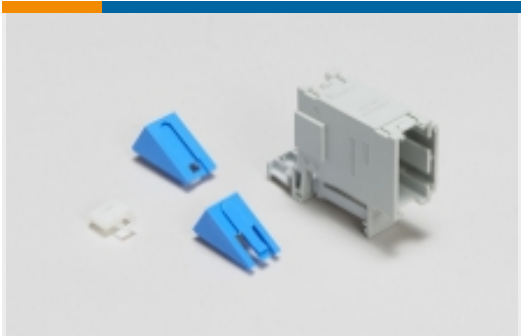
Insertion & Extraction Tools(4)



Power Contacts(207)



Rectangular Boots & Strain Relief(35)



Rectangular Connector Adapters(7)



Rectangular Connector Hardware(1)



Rectangular Connector Housings(2)



Rectangular Connector Keying Plugs(3)



Rectangular Connector Locking(4)



Rectangular Connector Seals(26)

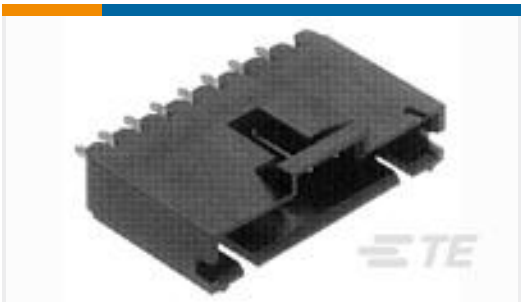


Rectangular Power Connectors(729)

Customers Also Bought



TE Part #179846-1
AMP POWER D/LOCK T/HDR ASSY 3P



TE Part #5-103639-5
06 MTE HDR SRST LATCH .100CL



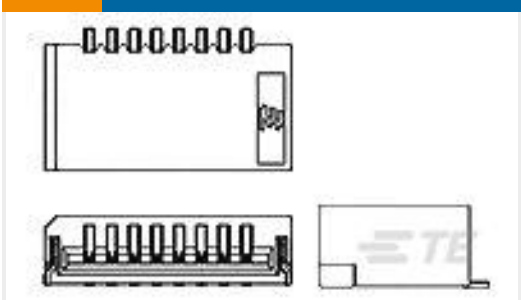
TE Part #5-103635-1
02 MTE HDR SRRA LTCH.100CL LF



TE Part #5557969-1
MJ,TE,8P/8C,SHLD,PNL STOPS&G



TE Part #5787617-1
RECP ASSY, R/A, STACKED, THRU-HOLE, USB,



TE Part #1-84981-0
1MM FFC SMT H ASSY 10P EMBOSS



TE Part #3-338309-2
9POS.HD20 PLUG ASSY



TE Part #DT13-12PA
HDR, 12P, GRY, RA, NI/CU, A



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2029397-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2029397-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2029397-1_B.3d_stp.zip

English

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

Product Environmental Compliance

TE Material Declaration

English