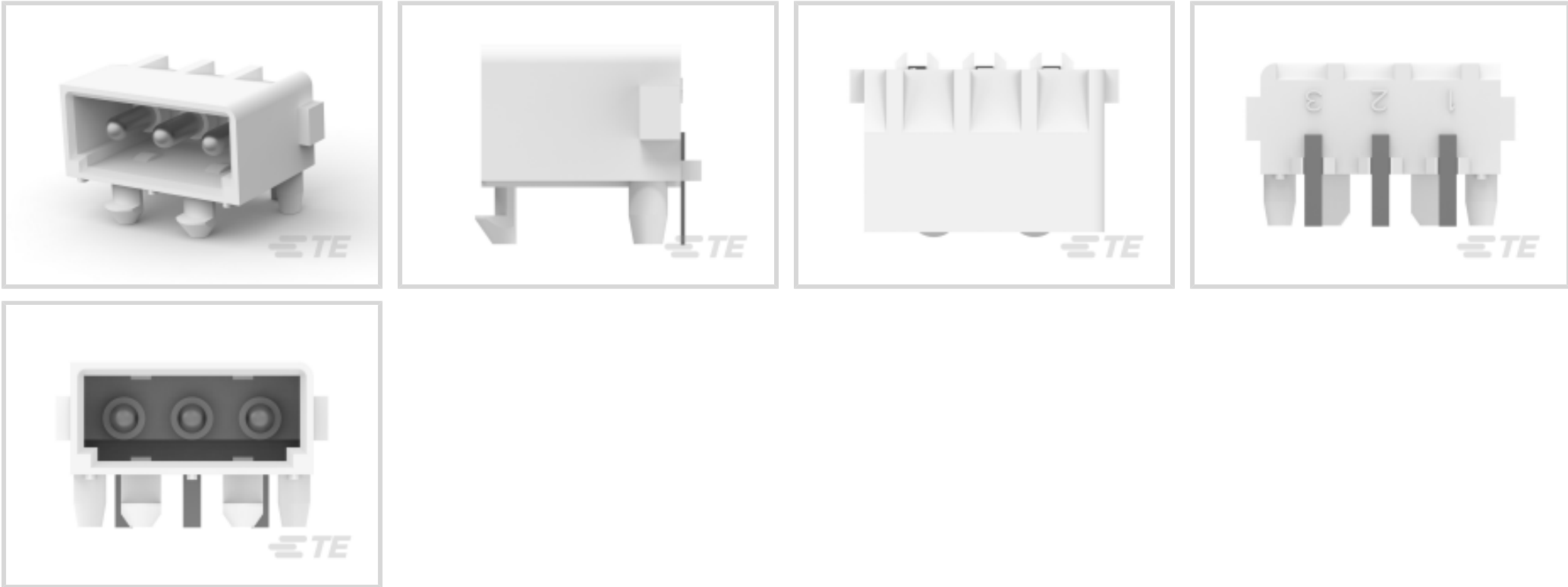




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **3**

Centerline (Pitch): **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	3
PCB Mount Orientation	Right Angle
Number of Power Positions	3
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Contact Features



Contact Layout	Inline
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	3.81 mm[.149 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Locating Posts
Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Detent Lock

Housing Features

Centerline (Pitch)	5.08 mm[.2 in]
Housing Color	Natural
Housing Material	Nylon

Dimensions

PCB Thickness (Recommended)	3.18 mm[.125 in]
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Usage Conditions

Operating Temperature Range	-55 – 105 °C[-67 – 221 °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
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Certified, Recognized
CSA File Number	LR16455
VDE Tested	No

Packaging Features

Packaging Method	Tube
Packaging Quantity	100

Other

For Use With	Socket (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: JUNE 2022 (224) SVHC > Threshold: 1,6,7,8,9,14,15,16,17,17,18,18-dodecachloropentacyclo [12.2.1.16,9.02,13.05,10]octadeca-7,15-diene (Dechlorane Plus) (15% in Component Part) Article Safe Usage Statements: Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. 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 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

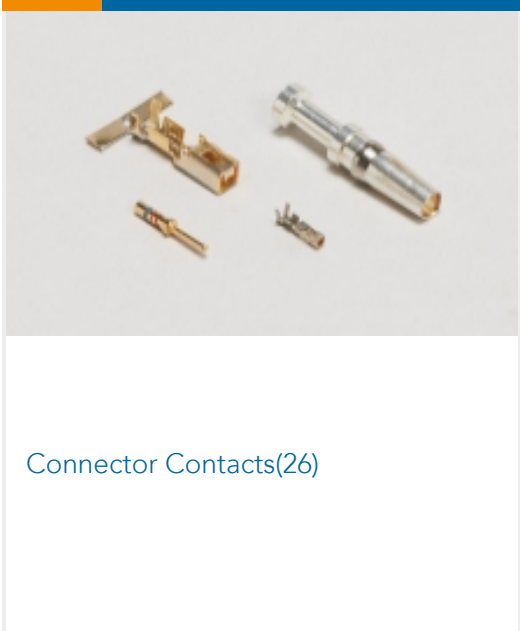

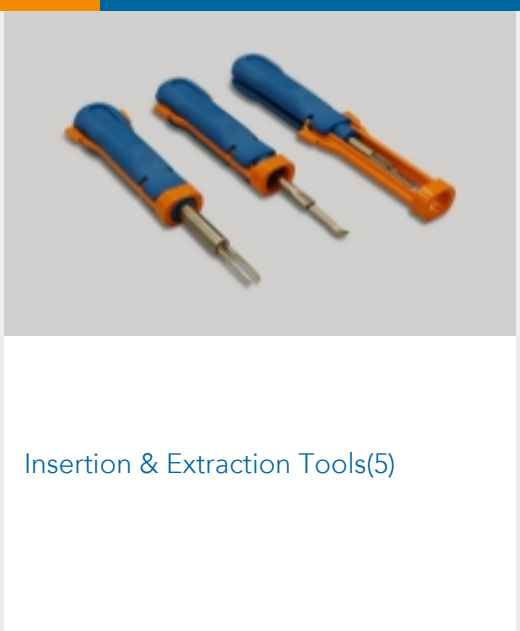
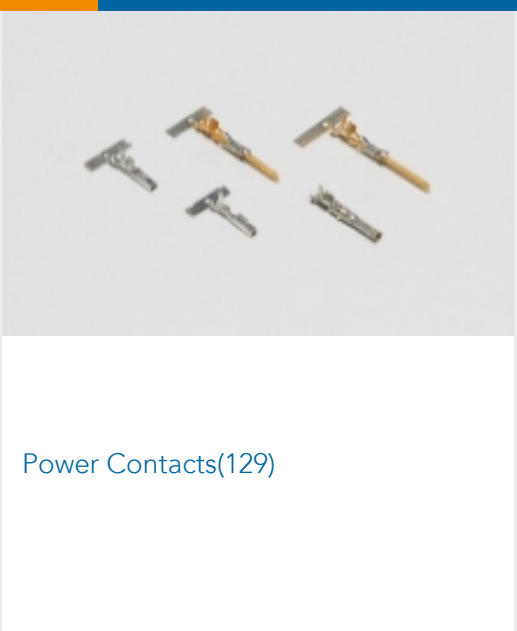
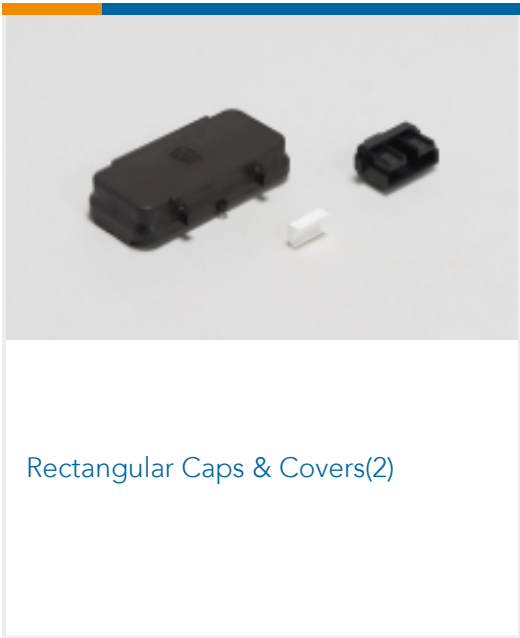
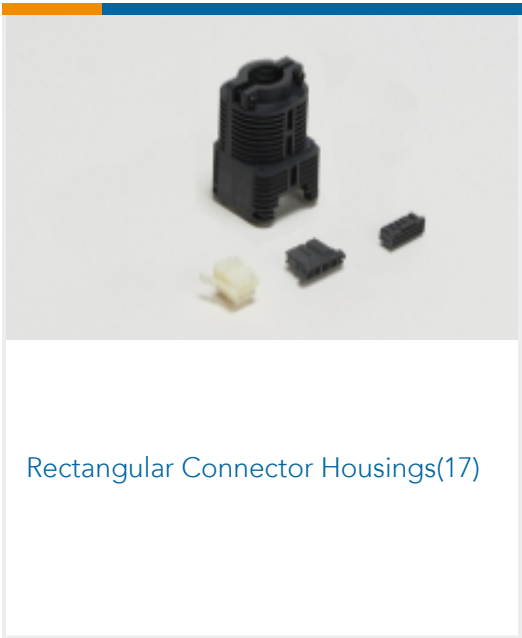




numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the 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

 <p>TE Part # 1-480303-0 03P CMNL PLUG HSG F/H NATL</p>	 <p>TE Part # 174520-1 4P CMNL PIN HDR ASSY V</p>	 <p>TE Part # 770149-1 04P CMNL PIN HDR ASSY R/A</p>	 <p>TE Part # 827001-2 4P MNL STIFTSOCKEL</p>
 <p>TE Part # 1-480303-9 03P CMNL PLUG HSG F/H BLK</p>	 <p>TE Part # 1-480303-2 03P CMNL PLUG HSG F/H RED</p>	 <p>TE Part # 794120-2 02P CMNL PC HDR ASSY RA V0</p>	 <p>TE Part # 794697-1 04P CMNL HDR ASSY R/A PC NATL</p>

Also in the Series | Commercial MATE-N-LOK

 <p>Connector Contacts(26)</p>	 <p>Crimp Wire Pins, Tabs & Ferrules(3)</p>	 <p>Insertion & Extraction Tools(5)</p>	 <p>Power Contacts(129)</p>
 <p>Rectangular Caps & Covers(2)</p>	 <p>Rectangular Connector Housings(17)</p>	 <p>Rectangular Connector Seals(1)</p>	 <p>Rectangular Power Connectors(170)</p>



Standard Circular Connectors(4)

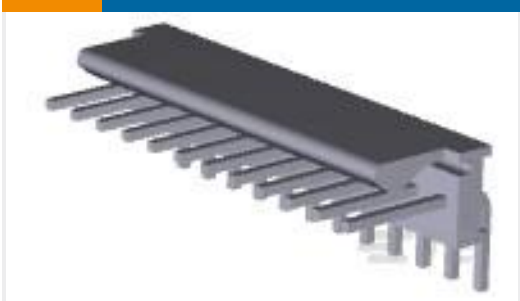


Standard Rectangular Connectors(10)



Wire-to-Board Connector Contacts(1)

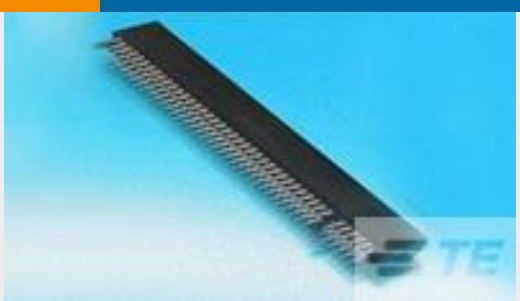
Customers Also Bought



TE Part #1-640457-2
12P MTA100 HDR ASSY SQ R/A F/L



TE Part #1775470-5
HPI CONN., 2.0MM, V/T, SMT, 5P, 80U"



TE Part #1-5530843-8
CONN SEC II 30 POS 100C/L



TE Part #5520426-4
MJ,R/A,8P



TE Part #1-406525-1
IMJ,NO SHLD,8P,TRAY, SN



TE Part #1-1437658-1
8PCV-07-006=#8 TRIBARRIER



TE Part #103308-6
026 LOPRO HDR SP 15DP



TE Part #3-644695-2
02P MTA100 STR HDR RETENTIVE

Documents

CAD Files

Customer View Model

[ENG_CVM_643488-1_A1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_643488-1_A1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_643488-1_A1.2d_dxf.zip](#)

English

3D PDF

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_643488-1_K.2d_dxf.zip](#)



English

Customer View Model

[ENG_CVM_CVM_643488-1_K.3d_igs.zip](#)

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Customer View Model

[ENG_CVM_CVM_643488-1_K.3d_stp.zip](#)

English

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