



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Receptacle**

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

Number of Positions: **12**

Centerline (Pitch): **3.96 mm [.156 in]**

Features

Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Receptacle
Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	12
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VAC
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Contact Features

Contact Layout	Inline
Contact Base Material	Phosphor Bronze
Contact Retention Within Housing	Without



Contact Type	Receptacle
Termination Features	
Termination Method to Wire & Cable	Crimp
Mechanical Attachment	
Strain Relief	Without
Mating Alignment	With
Panel Mount Feature	Without
PCB Mount Retention	Without
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	With
Mating Retention Type	Latch, Locking Latch
Housing Features	
Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	Nylon
Dimensions	
Accepts Wire Insulation Diameter Range	1.7 – 3 mm[.067 – .118 in]
Height	11 mm[.433 in]
Length	13.3 mm[.523 in]
Width	13.3 mm[.524 in]
Usage Conditions	
Operating Temperature Range	-55 – 105 °C[-67 – 221 °F]
Operation/Application	
Circuit Application	Power & Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire
Packaging Features	
Packaging Method	Bag
Packaging Quantity	1000



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 2022 (223) Candidate List Declared Against: JAN 2022 (223) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable for solder process capability

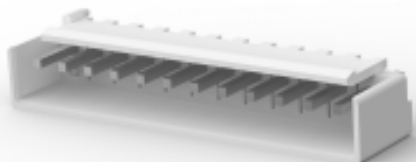
Product Compliance Disclaimer

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>

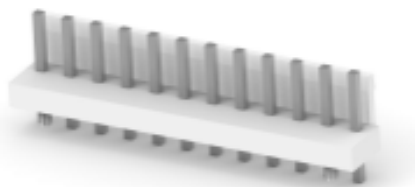
Compatible Parts



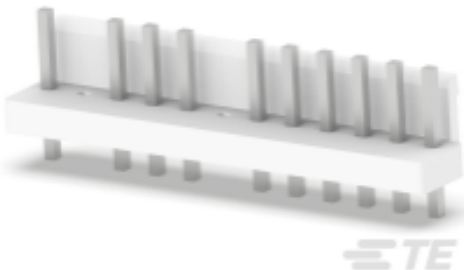
TE Part # 1-2132782-2
12 pos. EP II breakaway retain



TE Part # 1-1877285-2
12P EP SHRD HDR ASMY, WHITE



TE Part # 1-1744057-2
3.96 EP HDR ASSY 12P W/PEGS



TE Part # 1-1744524-2
EP 12P HEADER ASY NO 2,6 PINS



TE Part # 2312042-5
EP II HSG, 5POS.,GLOW WIRE



TE Part # 3-1877285-2
12P EP SHRD HDR ASMY, BLACK



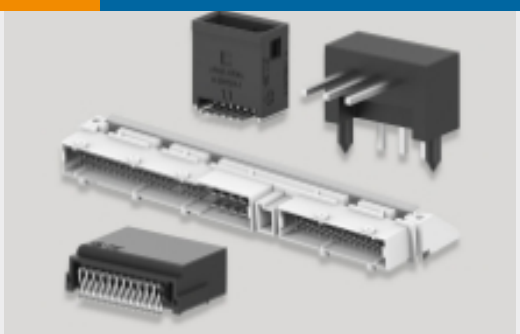
Also in the Series | Economy Power



Connector Contacts(1)



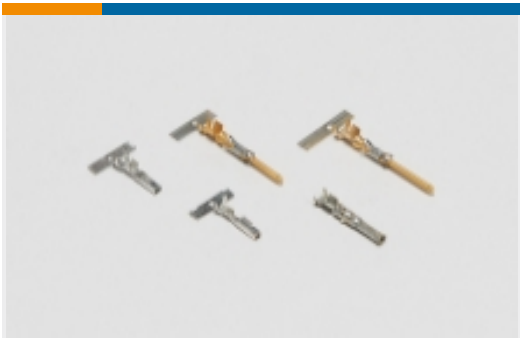
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(166)



PCB Latches, Locks & Retainers(2)



Power Contacts(8)



Rectangular Connector Housings(1)



Rectangular Power Connectors(285)



Wire-to-Board Connector Assemblies & Housings(64)



Wire-to-Board Connector Contacts(6)

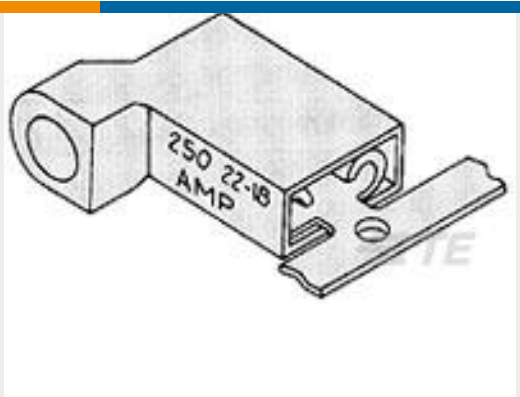
Customers Also Bought



TE Part #1-1971772-4
POWER TRIPLE LOCK STD TEMP CAP



TE Part #1-1971775-3
POWER TRIPLE LOCK STD TEMP PLUG



TE Part #2-520334-2
ULTRAFAST 187 ASSY FLAG REC 22-18 TPBR



TE Part #1744144-1
EP-II CONTACT LANCELESS, 22-18



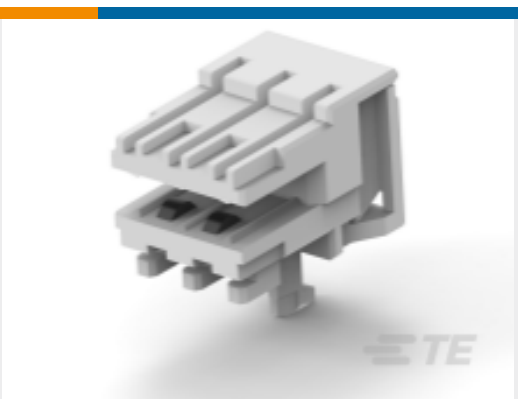
TE Part #1744201-1
EP-II CONTACT LANCELESS, 20-16



TE Part #2110989-1
EP 2.5 RCPT CONTACT, 26-22 AWG



TE Part #1-1877285-2
12P EP SHRD HDR ASMY, WHITE



TE Part #1534796-2
AMP DUOPLUG MK2 CONNECTOR 2P



Documents

Product Drawings

12P EP-II HOUSING, NATURAL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-2132781-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-2132781-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-2132781-2_E.3d_stp.zip

English

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

Datasheets & Catalog Pages

1-1773885-9 Economy Power Connectors

English

7-1773458-5_ECONOMY_POWER_QRG

English

7-1773461-5_EPII_CONNECTOR_TPA_DEVICE

English

Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English

Agency Approvals

VDE Certificate

English