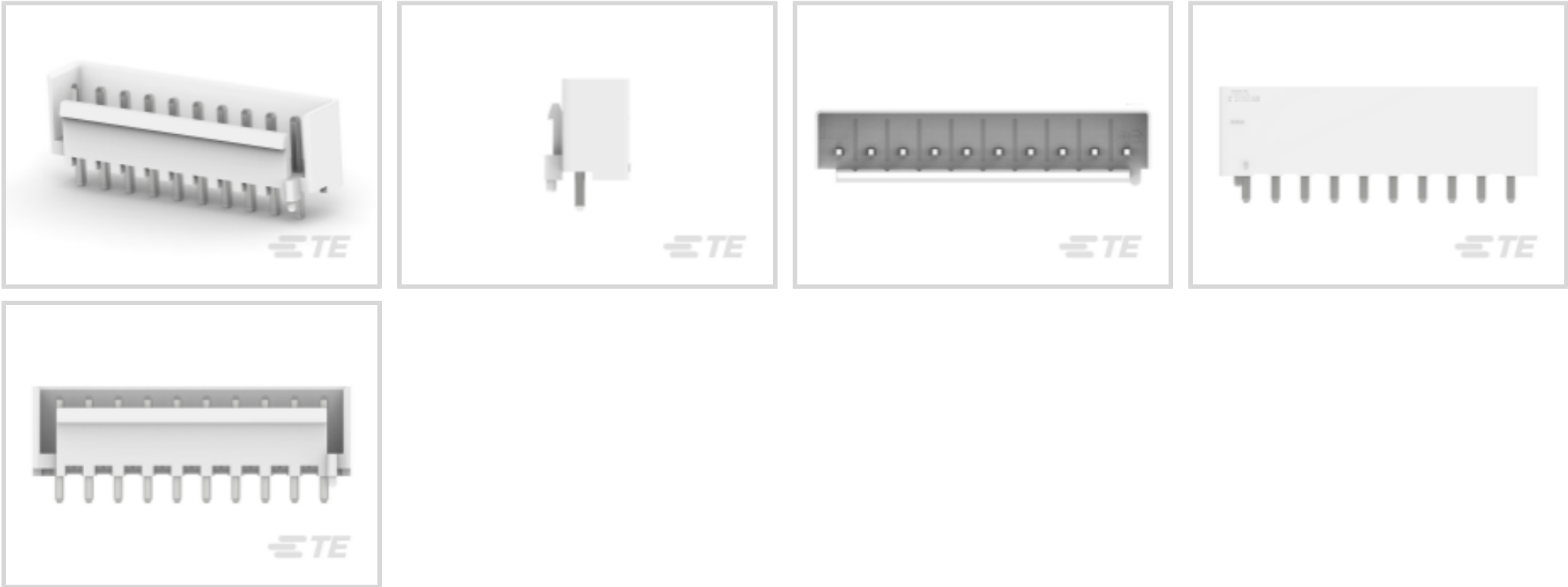




Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Header**

Connector & Housing Type: **Plug**

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

Number of Positions: **10**

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

Features

Product Type Features

Header Type	Partially 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	10
PCB Mount Orientation	Vertical
Number of Power Positions	10
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Contact Features



Contact Layout	Inline
Contact Base Material	Brass
Contact Current Rating (Max)	8 A
Contact Retention Within Housing	Without
Contact Type	Pin
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	1 µm[39.37 µin]
Contact Termination Area Plating Thickness	.8 µm, 1 µm[31.49 µin][39.37 µin]

Termination Features

Termination Post & Tail Length	3.7 mm[.146 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

Mechanical Attachment

PCB Mount Alignment Type	Boss
Strain Relief	Without
Mating Alignment	With
PCB Mount Alignment	With
PCB Mount Retention	Without
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	White
Housing Material	PBT GF

Dimensions

PCB Thickness (Recommended)	.06 mm[1.6 in]
Width	9.58 mm[.377 in]
Mating Post Length	7.78 mm[.306 in]
Height	12 mm[.472 in]
Length	42.85 mm[1.687 in]

Usage Conditions

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Operating Temperature Range	-25 – 105 °C[-13 – 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	200

Other

For Use With	Receptacle Assembly
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Product Compliance

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

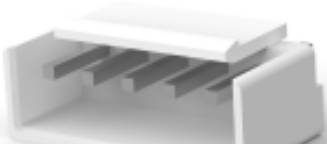
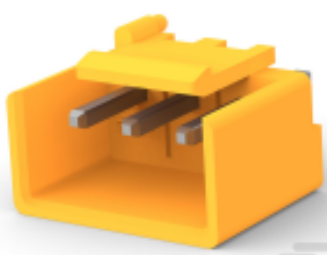
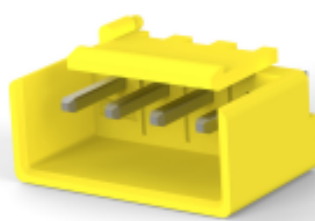
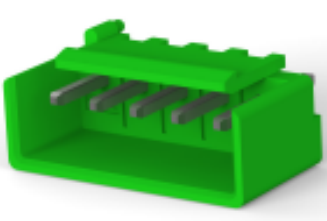
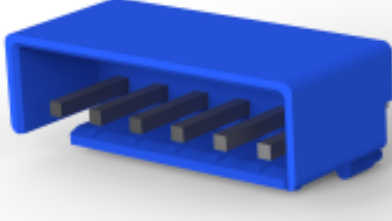
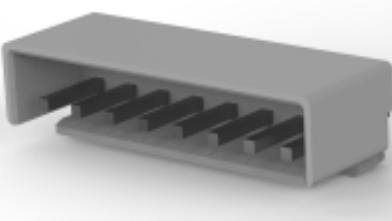
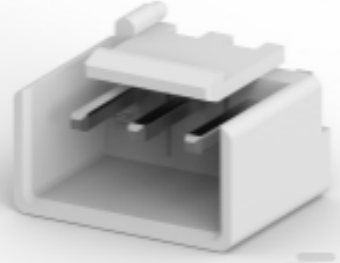
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

Product Compliance Disclaimer

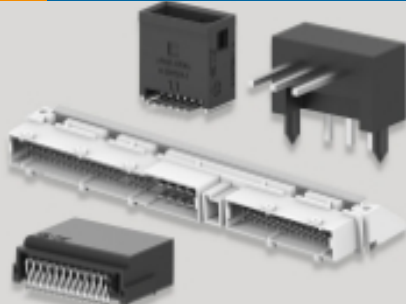
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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>

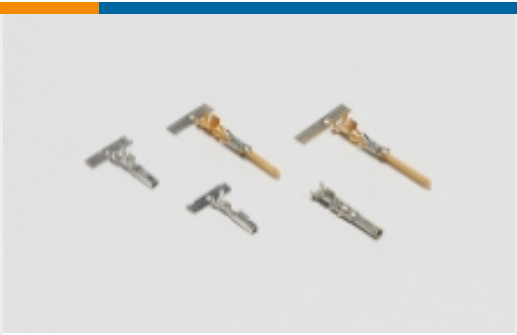


Compatible Parts

 TE Part # 1-2132781-0 10P EP-II HOUSING, NATURAL	 TE Part # 1-1744416-0 10 POS EP II HSG, GLOW WIRE	 TE Part # 1744357-6 3.96 EP SHROUDED HDR ASSY 6P W /PEGS	 TE Part # 1-1744490-0 10P EP SHRD HDR ASMY, BLACK
 TE Part # 1-1744498-0 10P EP-II HOUSING, BLACK	 TE Part # 1-1744544-0 EP II TPA 10P, BLACK	 TE Part # 1744357-5 3.96 EP SHROUDED HDR ASSY 2P W	 TE Part # 1744483-3 03P EP SHRD HDR ASMY, ORANGE
 TE Part # 1744484-4 04P EP SHRD HDR ASMY, YELLOW	 TE Part # 1744485-5 05P EP SHRD HDR ASMY, GREEN	 TE Part # 1744486-6 06P EP SHRD HDR ASMY, BLUE	 TE Part # 1744487-8 08P EP SHRD HDR ASMY, GREY
 TE Part # 2309279-3 03P EP SHRD HDR ASY,NO 2 PIN, WHITE	 TE Part # 2309279-5 05P EP SHRD HDR ASY,NO 2 PIN, WHITE	 TE Part # 2309279-8 08P EP SHRD HDR ASY,NO 7 PIN, WHITE	

Also in the Series | Economy Power

 Connector Contacts(1)	 Insertion & Extraction Tools(1)	 PCB Headers & Receptacles(166)	 PCB Latches, Locks & Retainers(2)
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Power Contacts(8)



Rectangular Connector Housings(1)



Rectangular Power Connectors(301)



Wire-to-Board Connector Assemblies & Housings(141)



Wire-to-Board Connector Contacts(6)

Documents

Product Drawings

10P EP SHRD HDR ASMY, WHITE

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1877285-0_C.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1877285-0_C.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1877285-0_C.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

AMP_ECONOMY_POWER_SHROUDED_HEADERS

English

7-1773458-5_ECONOMY_POWER_QRG

English

Product Specifications



Application Specification

English