



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: **9**

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

Features

Product Type Features

Header Type	Unshrouded
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

Post Numbers Omitted	5
Number of Positions	9
PCB Mount Orientation	Vertical
Number of Power Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Connector Profile	Low
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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, Tab
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[31.49 – 70.86 µin]

Termination Features

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

Mechanical Attachment

Mating Alignment	With
PCB Mount Alignment	Without
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	Natural
Housing Material	PBT GF

Dimensions

PCB Thickness (Recommended)	.06 mm[1.6 in]
Width	10.7 mm[.421 in]
Mating Post Length	7.7 mm[.3 in]
Height	8.2 mm[.32 in]
Length	35.58 mm[1.401 in]



Usage Conditions

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	700

Other

For Use With	Plug Housing
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Product Compliance

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

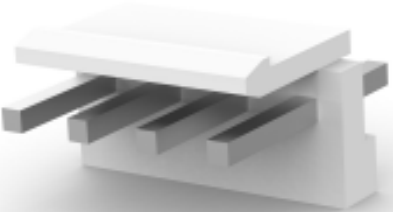
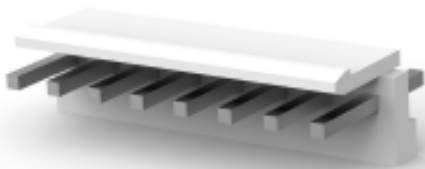
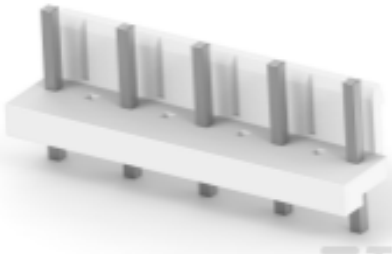
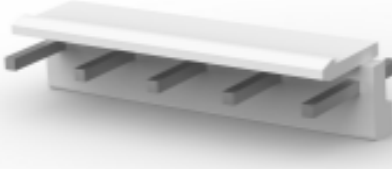
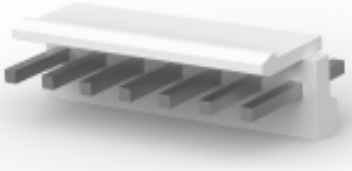
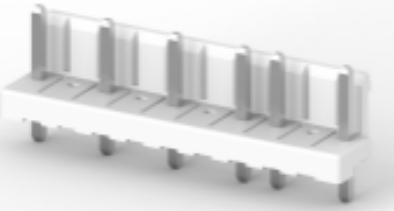
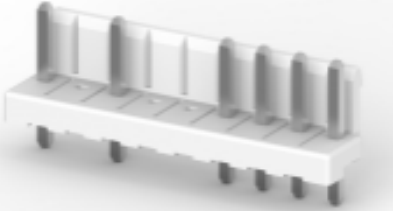
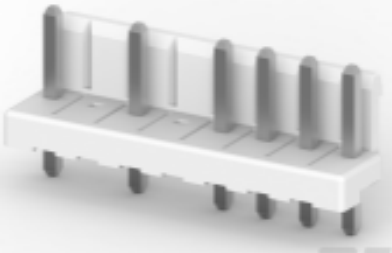
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # 1-1123723-9 3.96 EP HDR ASSY 9P(NATURAL)	 TE Part # 1-1123723-4 3.96 EP HDR ASSY 4P(NATURAL)	 TE Part # 1-1123723-8 3.96 EP HDR ASSY 8P(NATURAL)	 TE Part # 1-1123723-0 3.96 EP HDR ASSY 10P(NATURAL)
 TE Part # 1744416-9 9 POS EP II HSG, GLOW WIRE	 TE Part # 1-1123723-1 3.96 EP HDR ASSY 11P(NATURAL)	 TE Part # 7-1123724-5 3.96EP HDR ASSY 5(9)P NATURAL, GWT	 TE Part # 1-1123724-5 3.96EP HDR ASSY 5(9)P NATURAL
 TE Part # 1-1318300-9 3.96 EP HDR ASSY 9P NAT/TUBE	 TE Part # 1-2316952-0 3.96 EP HDR ASSY 10P, NO PIN 2,4,6,9	 TE Part # 1-2316952-9 3.96 EP HDR ASSY 9P, NO PIN 2,4,5	 TE Part # 2-2316952-8 3.96 EP HDR ASSY 8P, NO PIN 2,4

Also in the Series | Economy Power

 Connector Contacts(1)	 Insertion & Extraction Tools(1)	 PCB Latches, Locks & Retainers(2)	 Power Contacts(5)
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Rectangular Connector Housings(1)



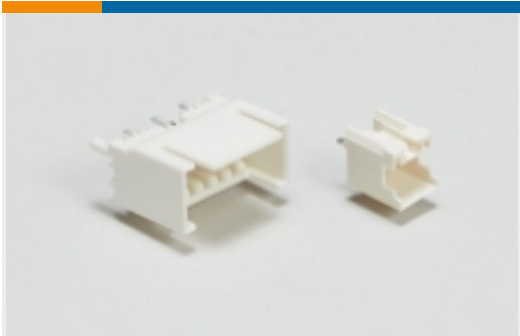
Rectangular Power Connectors(260)



Wire-to-Board Connector Assemblies & Housings(41)



Wire-to-Board Connector Contacts(6)

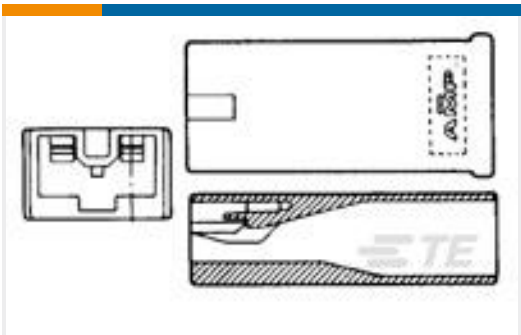


Wire-to-Board Headers & Receptacles (162)

Customers Also Bought



TE Part #170011-2
RING STRIP 18-14 MM2 0.503 X 11.938 TPBR



TE Part #179970-4
PL EXII 250 REC HSG 1P NYLON YELLOW



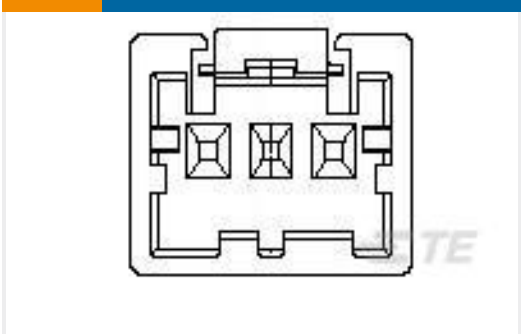
TE Part #1747591-1
Sig GRACE INERTIA Receptacle



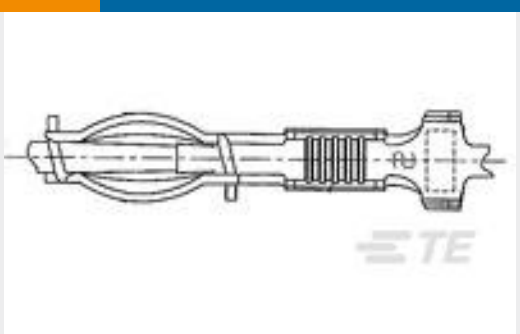
TE Part #1-1744417-3
13 POS EP 2.5 HSG, GLOW WIRE



TE Part #2-1971030-5
STD Temp Sig GRACE INERTIA Plug



TE Part #1903389-1
GIC 2.5 W PLUG HSG 3P NATURAL



TE Part #1123655-1
2.3 DIA CLUSTER AMPLIVER S TIN



TE Part #1-1744524-5
EP 05P HEADER ASY NO 3,4 PINS



TE Part #1-2316952-6
3.96 EP HDR ASSY 6P,NO PIN 2,4



TE Part #5-1565036-5
EP CONN HDR ASSY 3.96/7.92MM P

Documents



Product Drawings

3.96 EP HDR ASSY 9P, NO PIN 5

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2316952-9_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2316952-9_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2316952-9_A.3d_stp.zip

English

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Product Specifications

Application Specification

English

Product Environmental Compliance

TE Material Declaration

English