



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

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

Number of Positions: **6**

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

Features

Product Type Features

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

Configuration Features

Number of Positions	6
Number of Rows	1

Electrical Characteristics

Dielectric Withstanding Voltage (Max)	1500 VAC
Operating Voltage	250 VDC
Insulation Resistance	1000 MΩ

Contact Features

Contact Layout	Inline
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Contact Current Rating (Max)	8 A
Contact Retention Within Housing	Without
Contact Type	Receptacle

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Strain Relief	Without
Mating Alignment	Without
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch, Locking Latch

Housing Features

Centerline (Pitch)	3.96 mm[.156 in]
Housing Color	Natural
Housing Material	Nylon 66

Dimensions

Width	13.3 mm[.524 in]
Accepts Wire Insulation Diameter Range	1.7 – 3 mm[.067 – .118 in]
Height	10.5 mm[.413 in]
Length	23.7 mm[.933 in]

Usage Conditions

Operating Temperature Range	-25 – 105 °C[-13 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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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	1200



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	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 # 1318912-1
EP CONN LP REC



TE Part # 1744416-6
6 POS EP II HSG, GLOW WIRE



TE Part # 1-1123723-6
3.96 EP HDR ASSY 6P(NATURAL)



TE Part # 2-1744036-6
06P ECONOMY POWER .200 CL HSG



TE Part # 1123721-2
ECONOMY POWER CONN REC
CONT



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



TE Part # 1-1318300-6
3.96 EP HDR ASSY 6P NAT/TUBE



TE Part # 647676-6
3.96 EP HDR ASSY 6P R/A



TE Part # 1123721-1
EP CONN. REC CONTACT



TE Part # 7-1123722-2
3.96 EP PLUG HSG 2P(NATURAL)



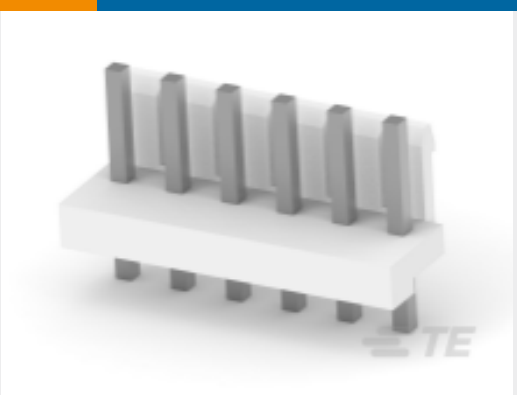
TE Part # 1-1473978-6
EP CONN HDR ASSY 6/9P SPECIAL



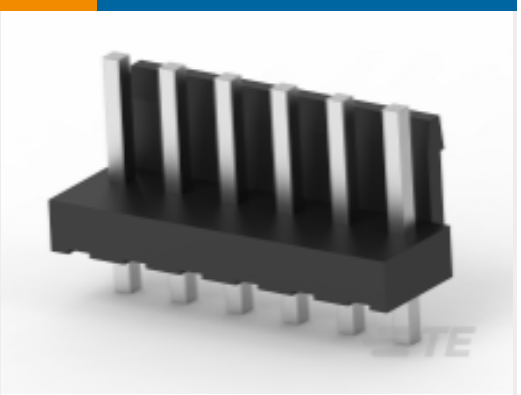
TE Part # 1-1565037-6
EP CONN HDR ASSY 6/9P SPECIAL



TE Part # 1-1612911-0
EP CONN HDR ASSY 3.96/7.92MM P



TE Part # 1-1612911-6
3.96/7.92 EP CONN. HDR ASS'Y 6/10P



TE Part # 1744055-6
3.96 EP HDR ASSY 6P VERT HT



TE Part # 1744056-6
3.96 EP HDR ASSY 6P R/A HT



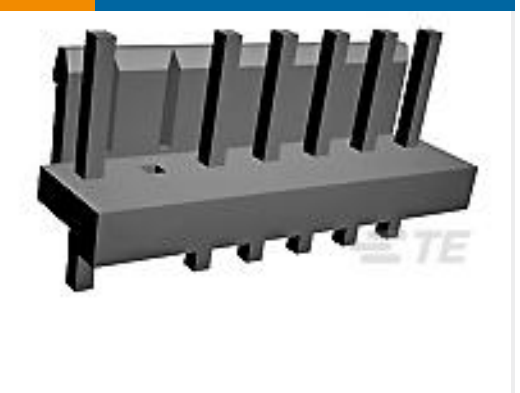
TE Part # 1744496-6
06P EP-II HOUSING, BLUE



TE Part # 2-1473978-6
EP CONN. HDR ASSY 6/9P NATURAL
(NO.3,6,8)

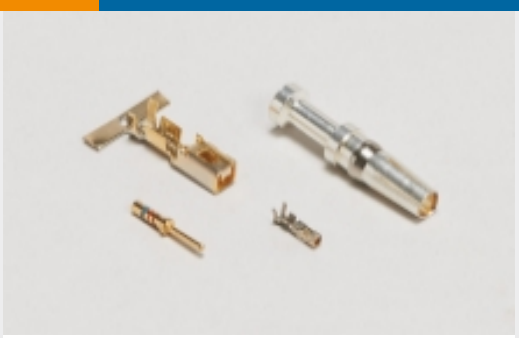


TE Part # 7-1123722-1
3.96 EP PLUG HSG 11P(GWT750)

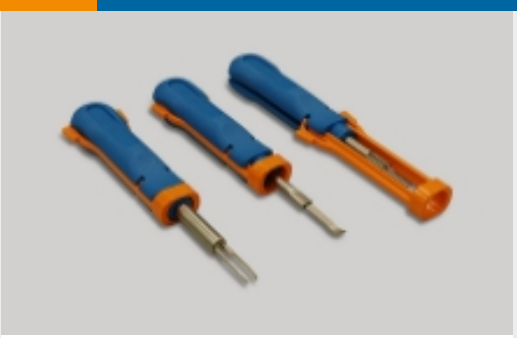


TE Part # 8-1565036-6
EP CONN. HDR ASSY 6/7POS SPECIA

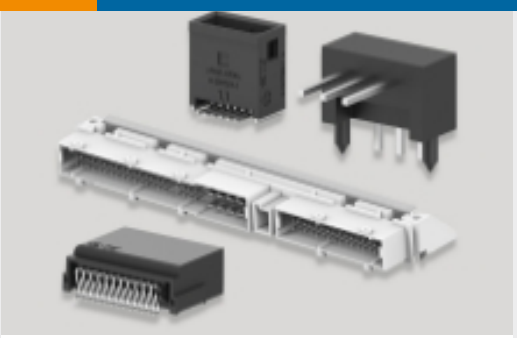
Also in the Series | Economy Power



Connector Contacts(1)



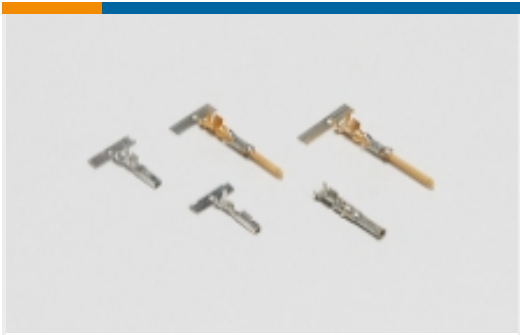
Insertion & Extraction Tools(1)



PCB Headers & Receptacles(166)



PCB Latches, Locks & Retainers(2)



Power Contacts(8)



Rectangular Connector Housings(1)



Rectangular Power Connectors(285)

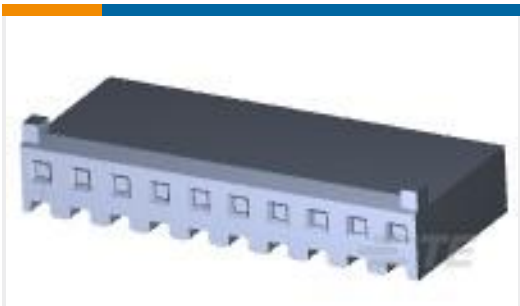


Wire-to-Board Connector Assemblies & Housings(64)



Wire-to-Board Connector Contacts(6)

Customers Also Bought



TE Part #1-770849-0
10P SL156 HSG W/LCK RMP & TABS



TE Part #1-1123722-5
3.96 EP PLUG HSG 5P(NATURAL)



TE Part #1-1123722-2
3.96 EP PLUG HSG 2P(NATURAL)



TE Part #61988-2
250 FASTON REC 22-18 AWG TPBR



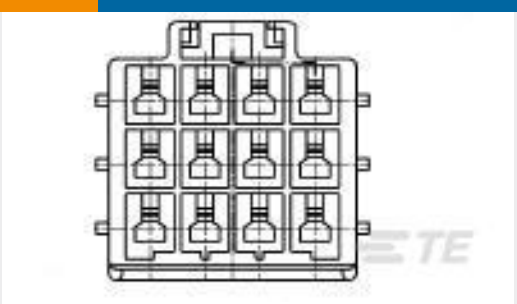
TE Part #1-1123722-4
3.96 EP PLUG HSG 4P(NATURAL)



TE Part #1-1123722-3
3.96 EP PLUG HSG 3P(NATURAL)



TE Part #640204-1
RING .164 (4.17 MM) 22-18 AWG TPST



TE Part #1903720-1
PDL 3.96MM PITCH CAP HSG 12P(F)



TE Part #1744001-4
04P MTA156 HDR POL .045SQ TIN



TE Part #1744001-6
06P MTA156 HDR POL .045SQ TIN

Documents



Product Drawings

3.96 EP PLUG HSG 6P(NATURAL)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1123722-6_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1123722-6_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1123722-6_N.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

Product Specifications

ECONOMY POWER(EP) CONNECTOR(BRASS)

Japanese

ECONOMY POWER(EP) CONNECTOR(BRASS)

Japanese

ECONOMY POWER(EP) CONNECTOR(BRASS)

English

Product Environmental Compliance

MD_1-1123722-6_09062018629_dmtec

English

MD_1-1123722-6_09062018629_dmtec

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese

Agency Approvals

UL Report

English