



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: **7**

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	7
Number of Rows	1

Electrical Characteristics

Insulation Resistance	1000 MΩ
Operating Voltage	250 VDC

Contact Features

Contact Layout	Inline
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 Retention	With
Mating Alignment	Without
Mating Retention Type	Latch, Locking Latch
Connector Mounting Type	Board Mount

Housing Features

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

Dimensions

Connector Height	10.5 mm[.413 in]
Product Width	13.3 mm[.524 in]
Product Length	27.66 mm[1.089 in]
Compatible Insulation Diameter Range	1.7 – 3 mm[.067 – .118 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 Quantity	1100
Packaging Method	Bag

Product Compliance

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

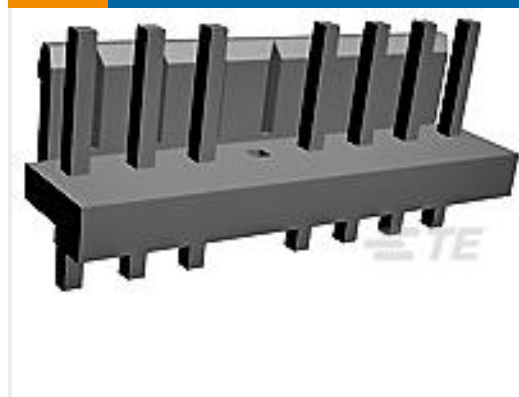


EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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 # 1744416-7 7 POS EP II HSG, GLOW WIRE	 TE Part # 1123721-2 ECONOMY POWER CONN REC CONT	 TE Part # 5-1123723-7 3.96 EP HDR ASSY 7P(BLACK)
 TE Part # 1123721-1 EP CONN. REC CONTACT	 TE Part # 5-1565036-7 EP CONN.HDR ASSY 7/8POS SPECIA	 TE Part # 5-1744107-5 EP HDR ASSY 7P omit 2&4&6,black	 TE Part # 6-1565036-7 EP CONN. HDR ASSY 7/8P SPECIAL (NO.4 POS



Also in the Series | Economy Power



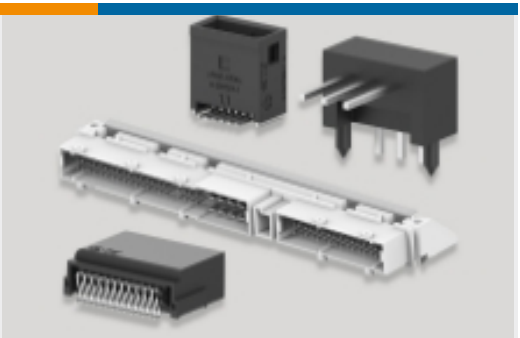
Connector Contacts(15)



Connector Hardware(2)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(400)



Rectangular Connector Housings(1)



Rectangular Power Connectors(64)

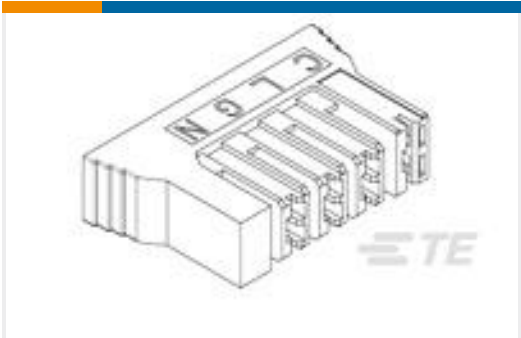


Wire-to-Board Connector Assemblies & Housings(142)

Customers Also Bought



TE Part #350780-1
04P UMNL CAP HSG



TE Part #521781-1
250 HSG. PL MKIII REC. 6.81mm 4P NAT



TE Part #350416-1
.093 COMM P&S PIN 14-20 PTPBR



TE Part #2-520261-2
ULTRA-FAST 187 ASY REC 22-18 TPBR



TE Part #2-520263-2
ULTRA-FAST 250 ASY REC 22-18 TPBR



TE Part #62553-3
FF 250 TAB 22-18AWG TPBR



TE Part #1742800-1
FF 187 TAB 18-14AWG TPBR



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



TE Part #1586844-1
09P UMNL PLUG HSG NATL, GW



TE Part #1969383-2
FF 187&250 TAB HSG 9P NYLON NAT



Documents

Product Drawings

3.96 EP PLUG HSG 7P(BLACK)

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1123722-7_N.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1123722-7_N.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1123722-7_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

Application Specification

English

Instruction Sheets

Instruction Sheet (non U.S.)

Japanese

Economy Power (EP) Connector

Japanese