



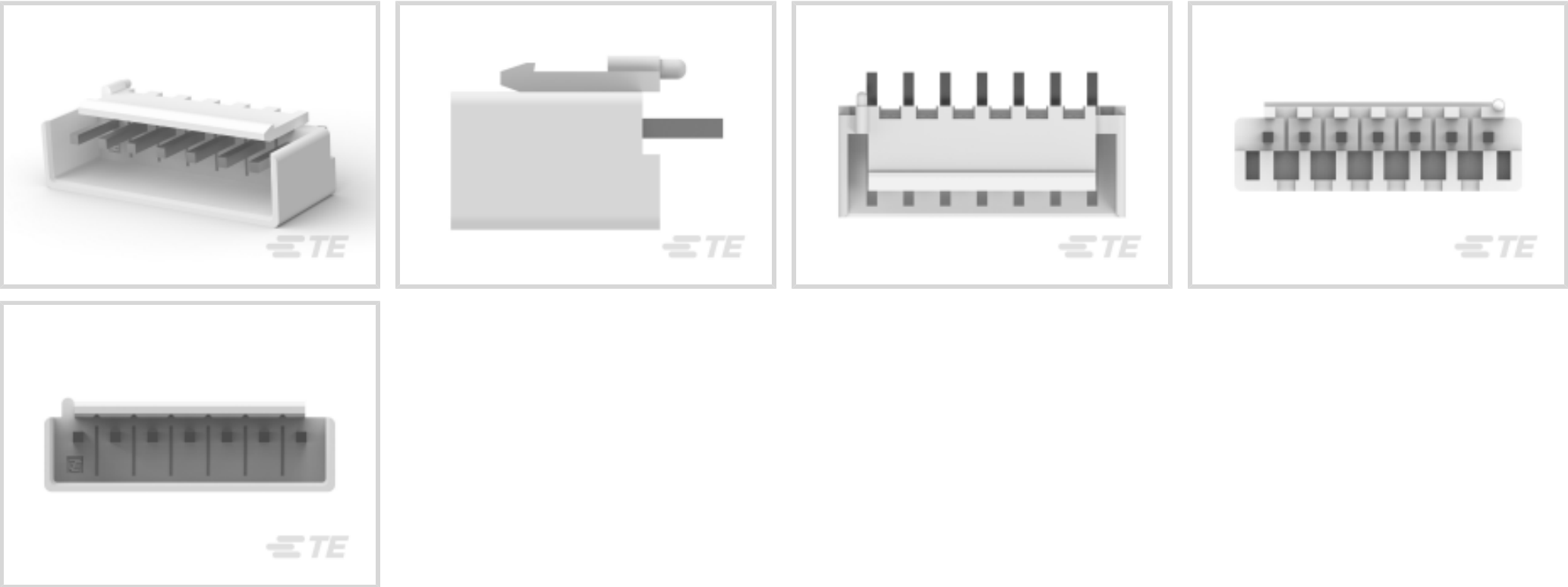
Economy Power

TE Internal #: 1877285-7

Rectangular Power Connectors, Header, Plug, Wire-to-Board, 7
Position, .156 in [3.96 mm] Centerline, Printed Circuit Board, UL 94V-
0, Economy Power

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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: **7**

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	7
PCB Mount Orientation	Vertical
Number of Power Positions	7
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	30.97 mm[1.219 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	250

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	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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
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>

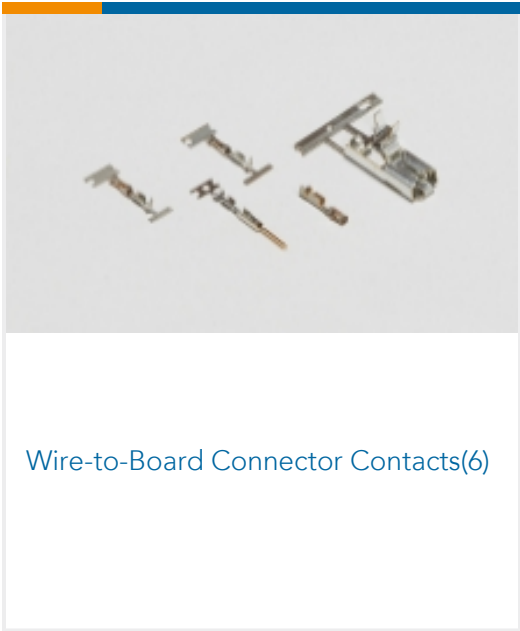


Compatible Parts

TE Part # 1744416-7 7 POS EP II HSG, GLOW WIRE	TE Part # 2132781-7 07P EP-II HOUSING, NATURAL	TE Part # 2110989-1 EP 2.5 RCPT CONTACT, 26-22 AWG	TE Part # 1744544-7 EP II TPA 07P, BLACK
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)
Power Contacts(8)	Rectangular Connector Housings(1)	Rectangular Power Connectors(301)	Wire-to-Board Connector Assemblies & Housings(141)



Customers Also Bought

Documents

Product Drawings
07P EP SHRD HDR ASMY, WHITE
English

CAD Files
3D PDF
3D
Customer View Model
ENG_CVM_CVM_1877285-7_C.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_1877285-7_C.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1877285-7_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

Product Environmental Compliance

[Product Compliance](#)

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[Product Compliance](#)

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Agency Approvals

[VDE Certificate](#)

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