

647676-9

✓ ACTIVE

Economy Power

TE Internal #: 647676-9

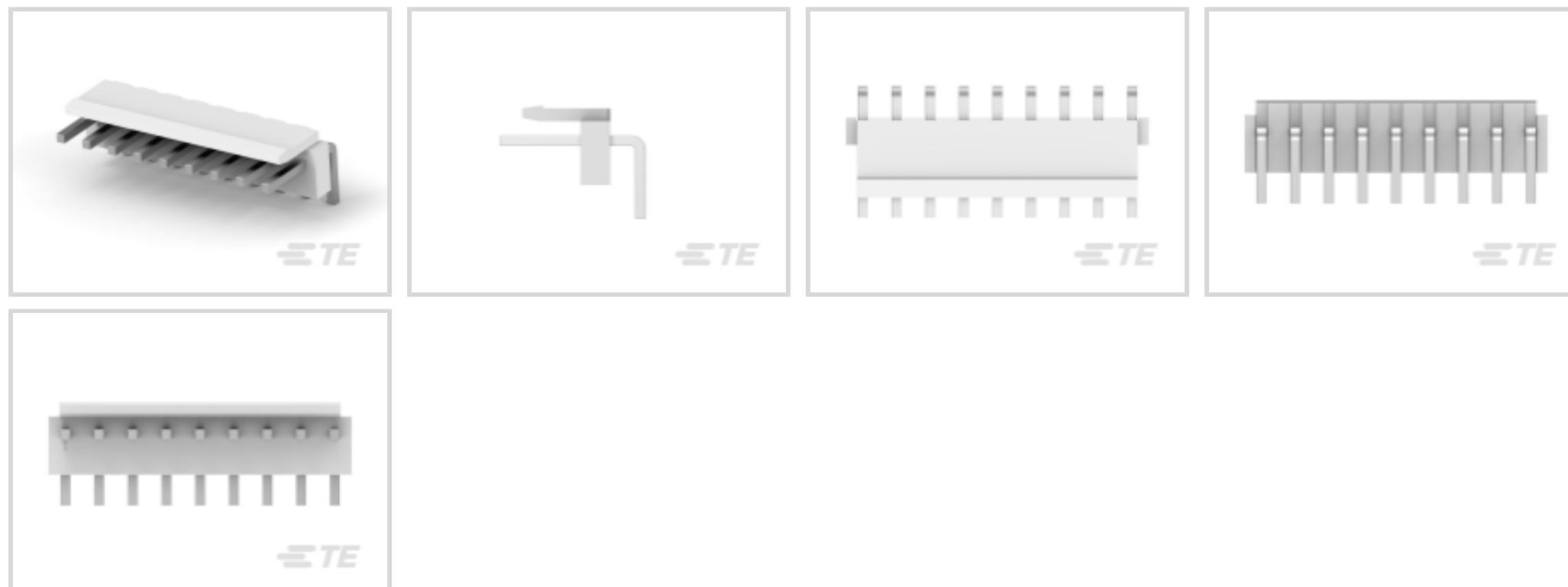
Rectangular Power Connectors, Header, Plug, Wire-to-Board, 9

Position, 3.96 mm [.156 in] Centerline, Printed Circuit Board, UL 94V-

0, Economy Power

[View on TE.com >](#)

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	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	9
PCB Mount Orientation	Right Angle, Vertical
Number of Power Positions	9
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VAC
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Body Features

Connector Profile

Low

Contact Features

Mating Post Length 8.6 mm[.33 in]

Contact Layout Inline

Contact Mating Area Plating Material Tin

Contact Base Material Brass

Contact Current Rating (Max) 7.5 A

Contact Retention Within Housing Without

Contact Type Pin

PCB Contact Termination Area Plating Material Tin

Contact Mating Area Plating Material Thickness 2.03 µm[80 µin]

Termination Features

Termination Post & Tail Length 5.34 mm[.21 in]

Termination Method to Printed Circuit Board Through Hole - Solder

Mechanical Attachment

Mating Retention With

Mating Alignment With

PCB Mount Alignment Without

PCB Mount Retention Without

Mating Retention Type Latch

Connector Mounting Type Board Mount

Housing Features

Centerline (Pitch) 3.96 mm[.156 in]

Housing Color White

Housing Material Nylon 66

Dimensions

Connector Height 9.4 mm[.37 in]

Product Width 15.37 mm[.605 in]

Product Length 35.64 mm[1.403 in]

Usage Conditions

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

Operation/Application

Circuit Application

Power

Industry Standards

UL Flammability Rating

UL 94V-0

Glow Wire Rating

Standard Part - Not Glow Wire

Packaging Features

Packaging Quantity

500

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 2023
(235)Candidate List Declared Against: JUNE
2023 (235)

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

Wave solder capable to 265°C

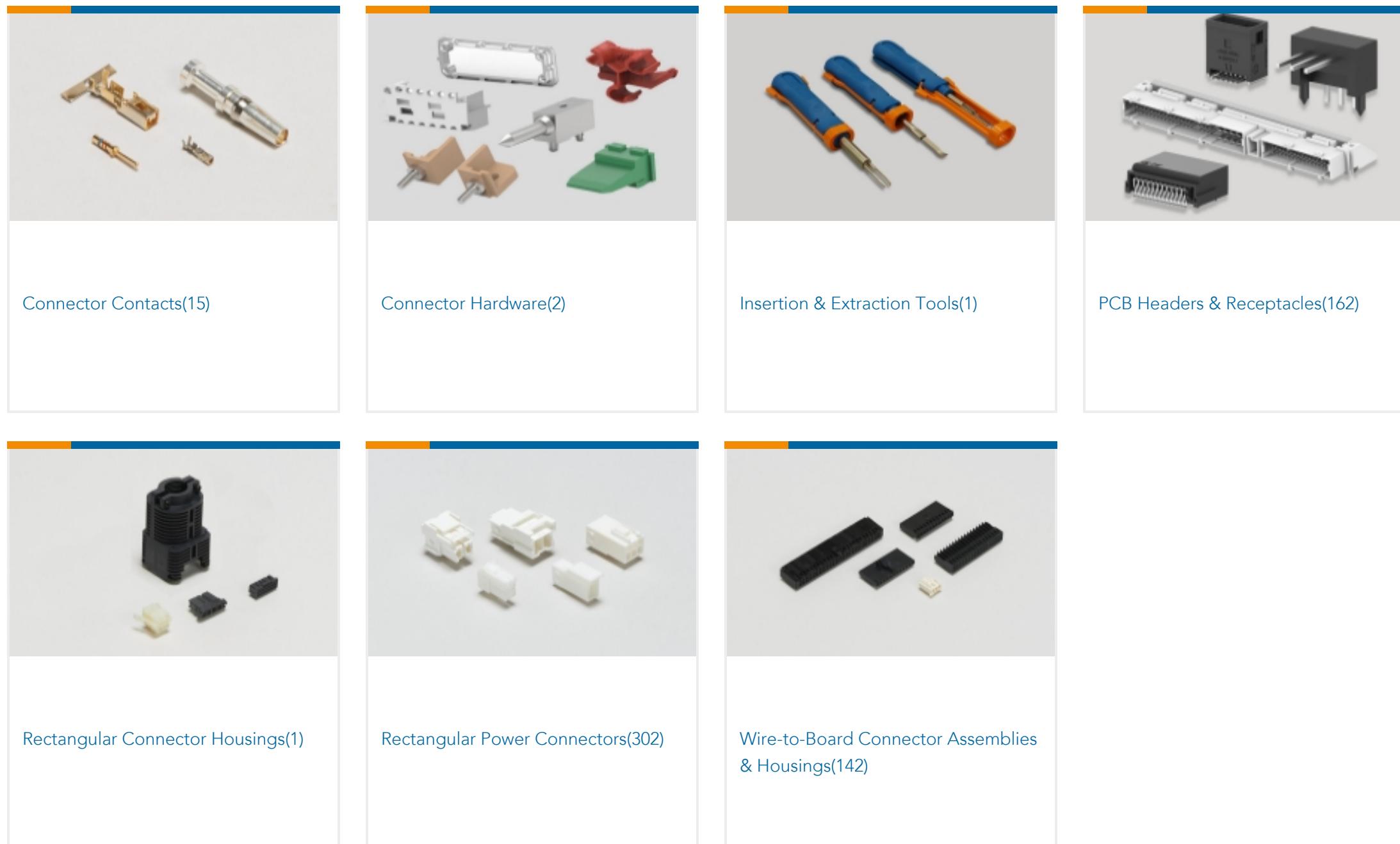
Product Compliance Disclaimer

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 # 1744416-9
9 POS EP II HSG, GLOW WIRETE Part # 1744544-9
EP II TPA 09P, BLACK

Also in the Series | Economy Power



Connector Contacts(15)

Connector Hardware(2)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(162)

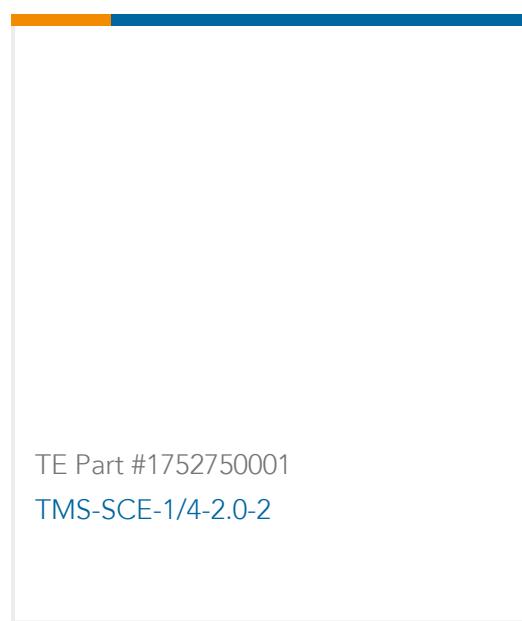
Rectangular Connector Housings(1)

Rectangular Power Connectors(302)

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

Customers Also Bought

TE Part #1558662-3
T9GV2L14-12TE Part #280365
AMPMODU, DBL ROW, CONTACT RECTE Part #6-103639-9
20 MTE HDR SRST LATCH .100CLTE Part #103455-2
MOD V RECP LPTE Part #7-2176414-2
7W STD M/OX 5% 18KTE Part #4588793001
100G0111-1.00-0TE Part #3-1376382-4
5mm B-T-W Conn. 2P HDR ASSEMBLTE Part #201580-1
SKT CONT ASSY, TYPE II



TE Part #1752750001
TMS-SCE-1/4-2.0-2

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_647676-9_B.2d_dxf.zip](#)

English

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_647676-9_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_647676-9_B.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

[Application Specification](#)

Japanese

Agency Approvals

[UL Report](#)

English