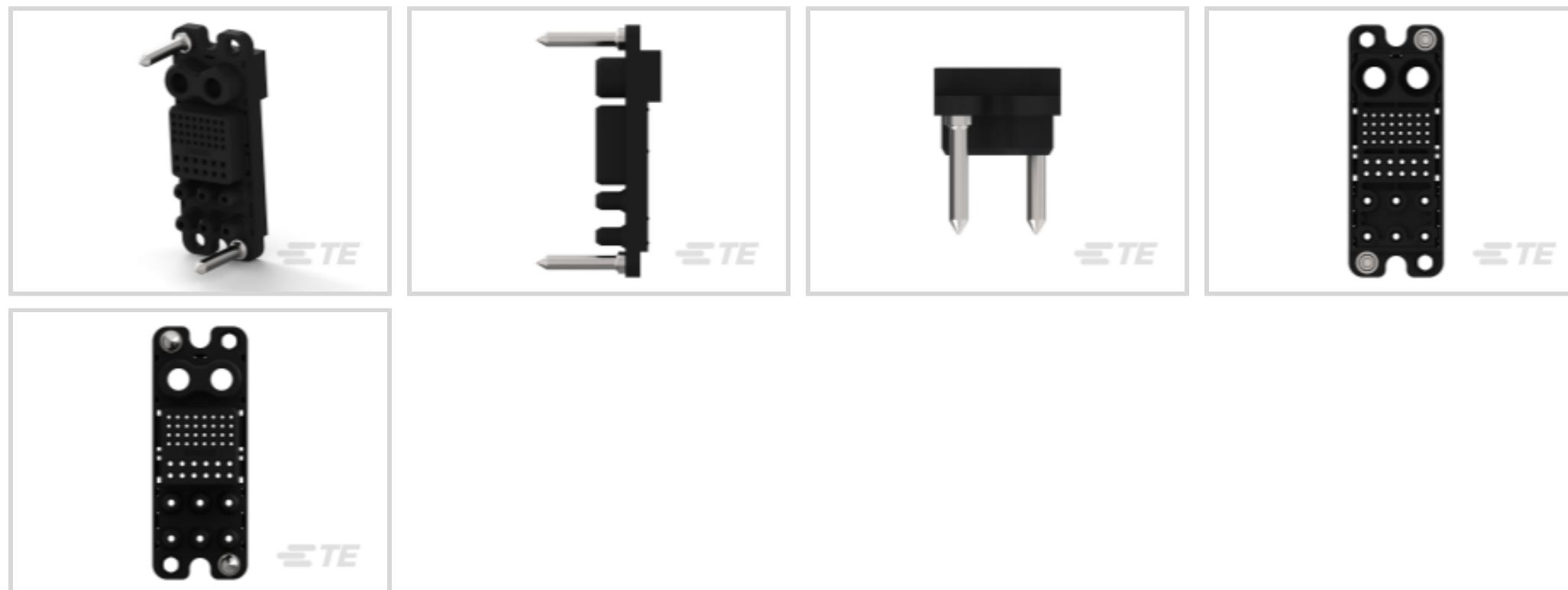


1648601-1

✓ ACTIVE

TE Internal #: 1648601-1

Rectangular Power Connectors, Housing, Receptacle, Wire-to-Board, 52 Position, Wire & Cable, UL 94V-0, Standard Part - Not Glow Wire, Power & Signal

[View on TE.com >](#)[Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors](#)Rectangular Power Connector Type: **Housing**Connector & Housing Type: **Receptacle**Connector System: **Wire-to-Board**Number of Positions: **52**Sealable: **No**

Features

Product Type Features

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

Configuration Features

Number of Positions	52
PCB Mount Orientation	Vertical

Electrical Characteristics

Operating Voltage	1000 VDC
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Contact Features

Contact Current Rating (Max)	5 A, 15 A, 35 A, 200 A
Contact Retention Within Housing	Without
Contact Type	Socket

Termination Features

Termination Method to Wire & Cable	Crimp
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Mechanical Attachment

Connector Mounting Type	Panel Mount
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Housing Features

Housing Color	Black
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Usage Conditions

Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]
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Operation/Application

Circuit Application	Power & Signal
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Industry Standards

UL Flammability Rating	UL 94V-0
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Glow Wire Rating	Standard Part - Not Glow Wire
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Packaging Features

Packaging Method	Bulk
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Product Compliance

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

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
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China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235)
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Candidate List Declared Against: JUNE 2023 (235)
Does not contain REACH SVHC

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Wave solder capable to 265°C
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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 # 1648183-1
291-10-01100-SA CONN,PIN

Customers Also Bought



TE Part #207463-1
CRIMP SNAP RCPT ASSY,SZ 3



TE Part #2103124-1
HVA280 2P HEADER ASSY, KEY A



TE Part #91285-1
INSERT/EXTRACT TOOL ASSEMBLY



TE Part #1648325-1
702-92-01109=CONTACT,SKT,#20



TE Part #1648382-1
708-68-01109=CONTACT,SKT,#20



TE Part #0462-203-08141
SOC, SOLID, SIZE 8, 8-10AWG, NI



TE Part #170361-1
UNIV M-N-L SOC. 26-22 AWG

Documents

Product Drawings

296-22-01100

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1648601-1_B.2d_dxf.zip](#)

English

Customer View Model[ENG_CVM_CVM_1648601-1_B.3d_igs.zip](#)

English

Customer View Model[ENG_CVM_CVM_1648601-1_B.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.**Product Specifications**[Application Specification](#)

English

Product Environmental Compliance[TE Material Declaration](#)

English