

TE Internal #: 556881-6
Rectangular Power Connectors, Connector Assembly, Receptacle,
Wire-to-Board, 6 Position, .44 in [11.18 mm] Centerline, Printed
Circuit Board, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Connector Assembly**
Connector & Housing Type: **Receptacle**
Connector System: **Wire-to-Board**
Number of Positions: **6**
Centerline (Pitch): **11.18 mm [.44 in]**

Features

Product Type Features

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

Configuration Features

Number of Positions	6
PCB Mount Orientation	Vertical
Number of Power Positions	6
Number of Signal Positions	0
Number of Rows	1

Electrical Characteristics

Operating Voltage	600 VDC
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Contact Features



Contact Layout	Inline
Contact Shape & Form	Dual Beam
Contact Base Material	Copper Alloy
Contact Current Rating (Max)	35 A
Contact Retention Within Housing	With
Contact Type	Tab
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	3.81 μm[150 μin]
Contact Termination Area Plating Thickness	2.54 μm[100 μin]

Termination Features

Termination Post & Tail Length	4.9 mm[.193 in]
Termination Method to Printed Circuit Board	Through Hole - Solder
Wire Type	Stranded

Mechanical Attachment

Mating Alignment Type	Polarization
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	With
PCB Mount Retention Type	Mounting Ears
Connector Mounting Type	Board Mount
Mating Retention	With
Mating Retention Type	Latch

Housing Features

Centerline (Pitch)	11.18 mm[.44 in]
Housing Color	Black
Housing Material	Polyphenylene Sulfide (PPS)

Dimensions

PCB Thickness (Recommended)	1.57 – 3.18 mm[.062 – .125 in]
Width	19.3 mm[.76 in]
Height	12.7 mm[.5 in]
Length	91.44 mm[3.6 in]



Usage Conditions

Operating Temperature Range	0 – 105 °C[32 – 221 °F]
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Operation/Application

Circuit Application	Power
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Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Agency/Standard Number	E28476
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR 7189
VDE Tested	No

Packaging Features

Packaging Method	Box
Packaging Quantity	100

Other

For Use With	Header
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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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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 # 556879-6

PLUG HSG,AMPINNERGY WTB,6 POS

Customers Also Bought

TE Part #1-794065-1

08P MINI UMNL HDR W/DH AU LF

TE Part #641970-1

06P UMNL PIN HDR ASSY 94VO

TE Part #641972-1

09P UMNL PIN HDR ASSY 94VO

TE Part #5-119738-6

AMP PACE CONN 20POS 100X200C/L

TE Part #1-1734101-3

Champ050 series,120pos,Au over PdNi

Documents

Product Drawings

RCPT ASY,VRT,AMPINRGY WTB,6POS

English

CAD Files

3D PDF

English

Customer View Model



[ENG_CVM_556881-6_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_556881-6_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_556881-6_D.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[1654742_HOUSEHOLD_APPLIANCES_RAST5](#)

English

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Product Environmental Compliance

[MD_556881-6_01192017118_dmtec](#)

English

[MD_556881-6_01192017118_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English

Agency Approvals

[Agency Approval Document](#)

English