

556881-6 ✓ ACTIVE

AMP

TE Internal #: 556881-6

Rectangular Power Connectors, Connector Assembly, Receptacle, Wire-to-Board, 6 Position, 11.18 mm [.44 in] 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

Compatible With Discrete Wire Type	Stranded
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

PCB Contact Termination Area Plating Material Thickness	2.54 $\mu\text{m}$ [100 $\mu\text{in}$ ]
Contact Layout	Inline
Contact Mating Area Plating Material	Tin
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 Thickness	3.81 $\mu\text{m}$ [150 $\mu\text{in}$ ]

### Termination Features

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

### Mechanical Attachment

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

### Housing Features

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

### Dimensions

Connector Height	12.7 mm[.5 in]
PCB Thickness (Recommended)	1.57 – 3.18 mm[.062 – .125 in]
Product Width	19.3 mm[.76 in]
Product 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, LR 7189
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UL Rating	Recognized
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Agency/Standard	CSA, UL
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Approved Standards	UL E28476
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UL Flammability Rating	UL 94V-0
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### Packaging Features

Packaging Quantity	100
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Packaging Method	Box
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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) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
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Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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Solder Process Capability	Not applicable for solder process capability
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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



## Customers Also Bought



## Documents

### Product Drawings

[RCPT ASY,VRT,AMPINNERGY 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](#)

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[POWER\\_CONNECTORS\\_CATALOG\\_SEC02\\_CABLE\\_MOUNTED](#)

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**Product Specifications**

[Application Specification](#)

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[Application Specification](#)

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**Product Environmental Compliance**

[Product Compliance Document](#)

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**Instruction Sheets**

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

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**Agency Approvals**

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