

556137-6 ✓ ACTIVE

AMPINNERGY

TE Internal #: 556137-6

Rectangular Power Connectors, Housing, Plug / Receptacle, Wire-to-Panel / Wire-to-Wire, 1 Position, Wire & Cable, UL 94V-0

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Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug, Receptacle**

Connector System: **Wire-to-Panel, Wire-to-Wire**

Number of Positions: **1**

Sealable: **No**

## Features

### Product Type Features

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

### Configuration Features

Number of Positions	1
Number of Power Positions	1
Number of Signal Positions	0
Number of Rows	1

### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Contact Current Rating (Max)	55 A
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Contact Retention Within Housing	With
Contact Type	Receptacle
Wire Contact Termination Area Plating Material	Pre-Tin
Contact Mating Area Plating Material	Tin
Contact Mating Area Plating Material Thickness	2.54 – 2.58 $\mu\text{m}$ [104 – 100 $\mu\text{in}$ ]

### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Panel Mount Feature	With
PCB Mount Retention	Without
Panel Mount Feature Type	Mounting Adapters
Connector Mounting Type	Cable Mount (Free-Hanging)
Mating Retention	Without

### Housing Features

Housing Color	Blue
Housing Material	Polycarbonate

### Dimensions

Wire Size	1600.53 – 12066.13 CMA
Width	9.9 mm[.39 in]
Accepts Wire Insulation Diameter Range	1.02 – 25.91 mm[.04 – 1.02 in]
Height	9.91 mm[.39 in]
Length	36.83 mm[1.45 in]

### Usage Conditions

Operating Temperature Range	0 – 105 $^{\circ}\text{C}$ [32 – 221 $^{\circ}\text{F}$ ]
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### Operation/Application

Circuit Application	Power
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### Industry Standards

CSA Rating	Certified
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire



Agency/Standard Number	E28486
Agency/Standard	CSA, UL
UL Rating	Recognized
CSA File Number	LR7189
VDE Tested	Yes

### Packaging Features

Packaging Method	Loose Piece
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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 2018 (181) SVHC > Threshold: Not Yet Reviewed
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

### Compatible Parts



## Documents

### Product Drawings

[HSG,AMPINNERGY WTW,1 POS,BLUE](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_556137-6\\_J.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_556137-6\\_J.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_556137-6\\_J.3d\\_stp.zip](#)

English

[3D PDF](#)

English

Customer View Model

[ENG\\_CVM\\_556137-6\\_B.2d\\_dxf.zip](#)

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Customer View Model

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English

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[ENG\\_CVM\\_556137-6\\_B.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

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### Instruction Sheets

#### AMPINNERGY Wire-to-Wire Stackable Connectors

English

#### Instruction Sheet (U.S.)

English

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### Agency Approvals

#### Agency Approval Document

English