

1489127-4 ✓ ACTIVE

TE Internal #: 1489127-4

Rectangular Power Connectors, Housing, Plug, Wire-to-Board, 6
Position, 3 mm [.118 in] Centerline, Wire & Cable, UL 94V-0

[View on TE.com >](#)



[Connectors](#) > [Power Connectors](#) > [Rectangular Power](#) > [Rectangular Power Connectors](#)



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Board**

Number of Positions: **6**

Centerline (Pitch): **3 mm [.118 in]**

Features

Product Type Features

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

Configuration Features

Number of Columns	6
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	48 VDC
-------------------	--------

Contact Features

Contact Base Material	Brass
Contact Current Rating (Max)	16 A
Contact Retention Within Housing	With
Contact Type	Blade



Termination Features

Termination Method to Wire & Cable	Crimp
------------------------------------	-------

Mechanical Attachment

Mating Alignment Type	Guide Post, Keyed, Polarization
Mating Alignment	With
Panel Mount Feature	Without
Connector Mounting Type	Panel Mount

Housing Features

Centerline (Pitch)	3 mm [.118 in]
Housing Color	Black
Housing Material	Thermoplastic

Dimensions

Wire Size	992.68 – 2802.41 CMA
Accepts Wire Insulation Diameter Range	2 – 3.1 mm [.079 – .122 in]
Height	27.4 mm [1.079 in]
Length	38 mm [1.496 in]
Width	14.28 mm [.562 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C [-67 – 257 °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 Method	Box & Carton
------------------	--------------

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

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



Documents

Product Drawings

[HDR HSG 6 CONTS BLKHD CONN](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1489127-4_1.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1489127-4_1.3d_igs.zip](#)

English



Customer View Model

[ENG_CVM_CVM_1489127-4_1.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[POWER_CONNECTORS_CATALOG_SEC02_CABLE_MOUNTED](#)

English

Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English

Product Environmental Compliance

[TE Material Declaration](#)

English