



AMP

TE Internal #: 54489-2

Housing, Plug / Receptacle, Wire-to-Panel / Wire-to-Wire, 2
 Position, 7.92 mm [.312 in] Centerline, Wire & Cable, Rectangular
 Power Connectors

[View on TE.com >](#)

Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



EU RoHS Compliance: **Compliant**

EU ELV Compliance: **Compliant**

Rectangular Power Connector Type: **Housing**

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

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

Features

Other

EU RoHS Compliance	Compliant
--------------------	-----------

EU ELV Compliance	Compliant
-------------------	-----------

Product Type Features

Rectangular Power Connector Type	Housing
----------------------------------	---------

Connector & Housing Type	Receptacle, Plug
--------------------------	------------------

Connector System	Wire-to-Panel, Wire-to-Wire
------------------	-----------------------------

Sealable	No
----------	----

Connector & Contact Terminates To	Wire & Cable
-----------------------------------	--------------

Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
-----------------------------------	---------------

Number of Positions	2
---------------------	---

Number of Power Positions	2
---------------------------	---

Number of Signal Positions	0
----------------------------	---

Number of Rows	1
----------------	---



Electrical Characteristics

Operating Voltage	600 VDC
-------------------	---------

Contact Features

Contact Current Rating (Max)	53 A
Contact Retention Within Housing	With
Contact Type	Blade

Termination Features

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

Mechanical Attachment

Connector Mounting Type	Panel Mount
-------------------------	-------------

Housing Features

Centerline (Pitch)	7.92 mm [.312 in]
Housing Material	Nylon

Dimensions

Product Width	28.55 mm [1.124 in]
Product Length	24.51 mm [.965 in]
Connector Height	7.92 mm [.312 in]
Wire Size	10 – 6 AWG

Usage Conditions

Operating Temperature Range	-55 – 85 °C [-67 – 185 °F]
-----------------------------	----------------------------

Operation/Application

Circuit Application	Power
---------------------	-------

Industry Standards

Compatible With Agency/Standards Products	UL, CSA
UL Rating	Recognized
Compatible With Approved Standards Products	UL E28476
CSA Rating	LR 7189, Certified
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	200
Packaging Method	Bag

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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



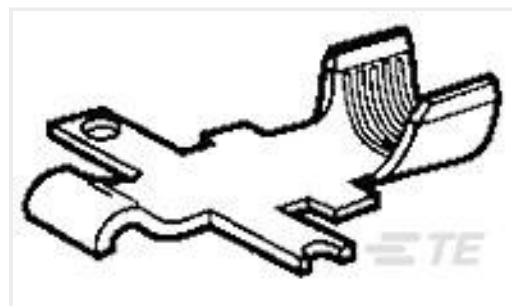
Customers Also Bought



TE Part #36151
PIDG R 22-16 COMM 22-18 MIL 6



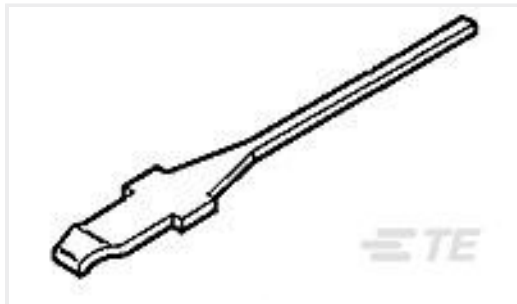
TE Part #33468
TERMINAL,SOLIS R 4 10



TE Part #53892-4
CONTACT,PWR LK,SRS1,LS PC,CRMP



TE Part #CONSMA012-R178
SMA Plug 50 Ohm Cable Crimp



TE Part #54326-2
CONTACT,PWR LK,SRS1,LS PC,PSTD



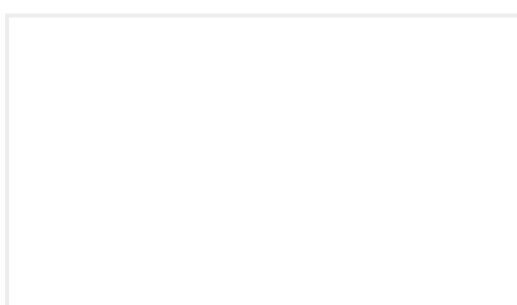
TE Part #1-1478912-0
SMA R/A PLG S/CLMP RG174 GSS



TE Part #1SNK510020R0000
ZS16-BL



TE Part #1SNK908310R0000
JB8-10



TE Part #CJ6401-000
202K163-25/225-CS-2065-0

Documents

Product Drawings

[HSG ASSY,PWR LK,SRS1,2POS,FLNG](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_54489-2_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_54489-2_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_54489-2_L.3d_stp.zip](#)

English

[3D PDF](#)

English



Customer View Model

[ENG_CVM_54489-2_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_54489-2_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_54489-2_E.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

[Application Specification](#)

Japanese

[Power-Lock 75 Series Contacts](#)

Japanese

Instruction Sheets

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

English

Agency Approvals

[Agency Approval Document](#)

English