

165019 ✓ ACTIVE

PLASTI-GRIP

TE Internal #: 165019

Ring Terminals & Spade Terminals, Spade Tongue, 12 – 10 AWG
Wire Size, 2.62 – 6.64 mm² Wire Size, 5180 – 13100 CMA Wire Size,
PLASTI-GRIP

[View on TE.com >](#)



Terminals & Splices > Ring Terminals & Spade Terminals



Ring & Spade Terminal Type: **Spade Tongue**

Wire Size: **5180 – 13100 CMA**

Stud Size: **M6**

Features

Product Type Features

Shape Description	SPADE-021
Stud Size	M6
Sealable	No
Wire Insulation Support Retention Type	Insulation Support

Configuration Features

Terminal Angle	180 °
----------------	-------

Electrical Characteristics

Voltage (Max)	600 V
---------------	-------

Body Features

Insulation Sleeve Color	Yellow
Weight per Piece	.395 g
Stripe Color	Yellow

Contact Features

Ring & Spade Terminal Type	Spade Tongue
Barrel Type	Closed



Terminal Orientation	Straight
----------------------	----------

Terminal Plating Material	Tin
---------------------------	-----

Mechanical Attachment

Wire Insulation Support	Without
-------------------------	---------

Dimensions

Wire Size	5180 – 13100 CMA
-----------	------------------

Stud Diameter	6.34 mm[.25 in]
---------------	-----------------

Tongue Thickness	.79 mm[.031 in]
------------------	-----------------

Overall Product Length	33.07 mm[1.302 in]
------------------------	--------------------

Accepts Wire Insulation Diameter (Max)	6.4 mm[.252 in]
--	-----------------

Accepts Wire Insulation Diameter Range	3.8 – 6.4 mm[.149 – .252 in]
--	------------------------------

Usage Conditions

Insulation Option	Partially Insulated
-------------------	---------------------

Operating Temperature Range	90 °C[194 °F]
-----------------------------	---------------

Operation/Application

Compatible With Wire Base Material	Copper
------------------------------------	--------

Compatible With Wire Plating Material	Tin
---------------------------------------	-----

Heavy Duty	No
------------	----

Industry Standards

Government Qualified	No
----------------------	----

Packaging Features

Packaging Quantity	500
--------------------	-----

Packaging Method	Box
------------------	-----

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 2022 (223)
--	---



Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Not reviewed 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 # 59824-1
TETRA-CRIMP PIDG PG FASTON 22-10 ASSY

TE Part # 58433-3
PRO CR ASSY, RBY IS9252

TE Part # 59239-4
HHHT PIDG PG 12-10 ASSY

TE Part # 58423-1
DIE, RBY IS9252

TE Part # 3-1377173-8
SMP 0-0165019-0

TE Part # 169400
CERTI-LOK FRAME W/O DIES

TE Part # 1SET191001R0000
CRIMP-HT

TE Part # 1SET191002R0000
TET CRIMP-HT

TE Part # 169404
CERTI-LOK DIE

Also in the Series | **PLASTI-GRIP**



Compression Connectors(3)



Crimp Wire Pins, Tabs & Ferrules(25)



Ring Terminals & Spade Terminals(537)



Splices(49)

Documents

Product Drawings

PG SPADE

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_165019_L.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_165019_L.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_165019_L.3d_stp.zip](#)

English

3D PDF

English

Customer View Model

[ENG_CVM_165019_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_165019_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_165019_B.2d_dxf.zip](#)

English

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

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance



English

[Product Compliance](#)

English

[Instruction Sheets](#)

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

English

[Agency Approvals](#)

[UL Report](#)

English