

52931-1 ✓ ACTIVE

TE Internal #: 52931-1

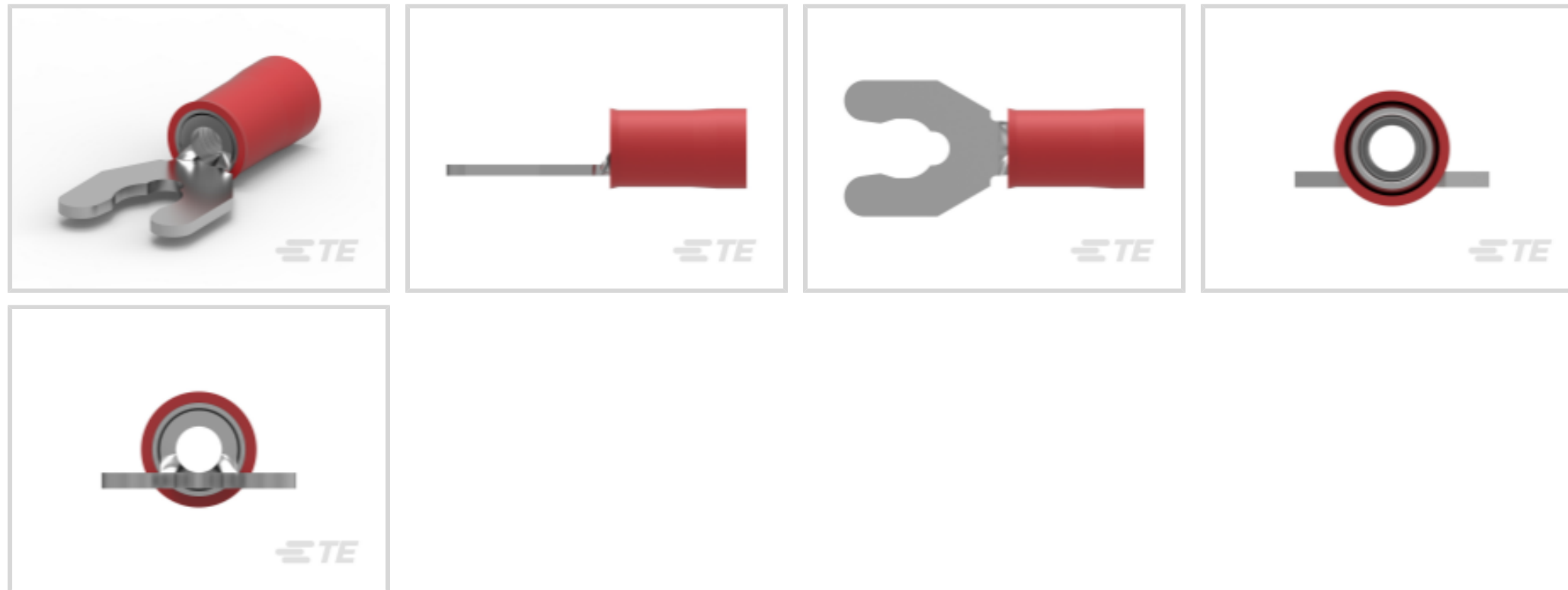
Ring Terminals & Spade Terminals, Spring Spade, 22 – 16 AWG

Wire Size, .3 – 1.42 mm<sup>2</sup> Wire Size, 509 – 3260 CMA Wire Size, Stud Size #10

[View on TE.com >](#)



Terminals & Splices > Ring Terminals & Spade Terminals > PIDG Short Spring Spade Tongue Terminals



Ring & Spade Terminal Type: **Spring Spade**

Wire Size: **509 – 3260 CMA**

Stud Size: **#10**

[All PIDG Short Spring Spade Tongue Terminals \(39\)](#)

## Features

### Product Type Features

Shape Description	SPADE-028
Stud Size	#10
Sealable	No
Wire Insulation Support Retention Type	Insulation Support

### Configuration Features

Terminal Angle	180 °
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### Electrical Characteristics

Voltage (Max)	300 V
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### Body Features

Inspection Slot	No
Insulation Sleeve Color	Red
Stripe Color	Red

### Contact Features

Ring & Spade Terminal Type	Spring Spade
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Barrel Type	Closed
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Terminal Orientation	Straight
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Terminal Plating Material	Tin
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### Mechanical Attachment

Wire Insulation Support	With
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### Dimensions

Wire Size	509 – 3260 CMA
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Stud Diameter	4.82 mm[.19 in]
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Tongue Thickness	.79 mm[.031 in]
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Overall Product Length	23.1 mm[.908 in]
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Accepts Wire Insulation Diameter (Max)	3.18 mm[.125 in]
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Accepts Wire Insulation Diameter Range	2.03 – 3.18 mm[.08 – .125 in]
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### Usage Conditions

Insulation Option	Partially Insulated
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Operating Temperature Range	105 °C[221 °F]
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### Operation/Application

Compatible With Wire Base Material	Copper
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Compatible With Wire Plating Material	Tin
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Heavy Duty	No
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### Industry Standards

Government Qualified	No
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### Packaging Features

Packaging Quantity	5000
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Packaging Method	Tape Mounted
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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 2022 (224)
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Candidate List Declared Against: JUNE 2022 (224)

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



## Documents

### Product Drawings

TERMINAL,PIDG SPR SPD 22-16 10

English

### CAD Files

3D PDF



3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_52931-1\\_S.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_52931-1\\_S.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_52931-1\\_S.3d\\_stp.zip](#)

English

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

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**Product Specifications**

**Application Specification**

English

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**Product Environmental Compliance**

[MD\\_52931-1\\_10282017044\\_dmtec](#)

English

[MD\\_52931-1\\_10282017044\\_dmtec](#)

English

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**Instruction Sheets**

**AMP\* PIDG\* (VINYL) & PLASTI-GRIP\* SHORT SPRING SPADE TERMINALS FOR BAR**

English

**Instruction Sheet (U.S.)**

English

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**Agency Approvals**

**UL Report**

English