

33220 ✓ ACTIVE

SOLISTRAND

TE Internal #: 33220

Ring Terminals & Spade Terminals, Ring Tongue, 12 – 10 AWG

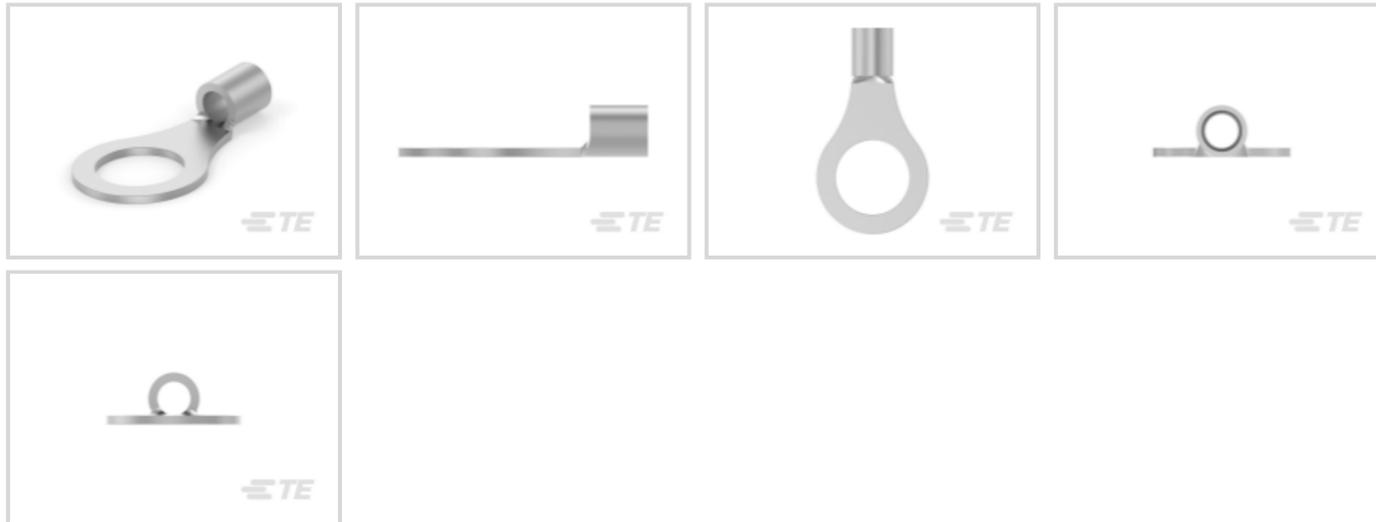
Wire Size, 3 – 6 mm<sup>2</sup> Wire Size, 5180 – 13100 CMA Wire Size, Stud

Size 3/8

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Terminals & Splices > Ring Terminals & Spade Terminals



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

Wire Size: **5180 – 13100 CMA**

Stud Size: **3/8**

### Features

#### Product Type Features

Shape Description	RING-048
Stud Size	3/8
Sealable	No
Wire Insulation Support Retention Type	Non-Insulation Support

#### Configuration Features

Number of Holes	1
Terminal Angle	180 °

#### Body Features

Inspection Slot	No
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#### Contact Features

Military Part Class	Class I
Ring & Spade Terminal Type	Ring Tongue
Barrel Type	Closed
Terminal Orientation	Offset
Terminal Plating Material	Tin



### Mechanical Attachment

Wire Insulation Support	Without
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### Dimensions

Wire Size	5180 – 13100 CMA
Stud Diameter	9.53 mm[.375 in]
Tongue Thickness	1.07 mm[.042 in]
Overall Product Length	27.89 mm[1.098 in]
Barrel Inside Diameter	3.28 mm[.129 in]

### Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	170 °C[338 °F]

### Operation/Application

Compatible With Wire Base Material	Copper
Compatible With Wire Plating Material	Tin
Heavy Duty	No

### Industry Standards

Government Qualified	Yes
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### Packaging Features

Packaging Quantity	500
Packaging Method	Package

### 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	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,SOLIS R 12-10 3/8](#)

English

## CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_33220\\_V.2d\\_dxf.zip](#)

English

## 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_33220\\_V.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_33220\\_V.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[SOLISTRAND - QRG](#)

English

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**Product Environmental Compliance**

[MD\\_33220\\_11302015828\\_dmtec](#)

English

[MD\\_33220\\_11302015828\\_dmtec](#)

English

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**Agency Approvals**

[UL Report](#)

English

[UL Report](#)

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