



SOLISTRAND

TE Part # 33459

TE Internal #: 33459

Mil-Spec: [MS20659-106]

[View on TE.com >](#)

Terminals & Splices > Rings & Spades



Terminal & Splice Type: **Ring Tongue**

Wire Size: **5180 – 13100 CMA**

Stud Size: **5/16, M8**

**Features**

**Product Type Features**

Shape Description	RING-048
Stud Size	5/16, M8
Barrel Type	Closed Barrel
Sealable	No
Insulated	No
Wire/Cable Type	Regular Wire

**Configuration Features**

Number of Holes	1
Terminal Angle	Straight

**Body Features**

Inspection Slot	No
Plating Material	Copper, Tin

**Contact Features**

Military Part Class	Class I
Terminal & Splice Type	Ring Tongue
Terminal Orientation	Offset

**Mechanical Attachment**

Wire Insulation Support	Without
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**Dimensions**

Wire Size	5180 – 13100 CMA
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Stud Diameter	7.92 mm[.312 in]
Tongue Thickness	1.07 mm[.042 in]
Overall Length	25.5 mm[1.004 in]
Barrel Inside Diameter	3.28 mm[.129 in]

**Usage Conditions**

Operating Temperature Range	170 °C[338 °F]
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**Operation/Application**

Heavy Duty	No
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**Industry Standards**

Government Qualified	Yes
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**Packaging Features**

Packaging Quantity	500
Packaging Method	Loose Piece

**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: JAN 2019 (197) Candidate List Declared Against: JAN 2019 (197)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished

product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



TE Part # 58546-1  
 PC 22-10 SOLISSPICE SPL  
 I SHT



TE Part # 58545-1  
 SOLISTRAND 10-22 DIE  
 ASSY



TE Part # 58545-3  
 SDE DIE ASSY. 22-10  
 SOLISTRAND



TE Part # 539662-2  
 MATR SOLISTR 0,3-6,



TE Part # 525693  
 22-10 TYPE W D.A.H.T.  
 ASSY



TE Part # 49935  
 DAHT SOLIS 22-10



TE Part # 47814  
 DIE SOLIS STRANDED  
 69365 12-10

## Customers Also Bought



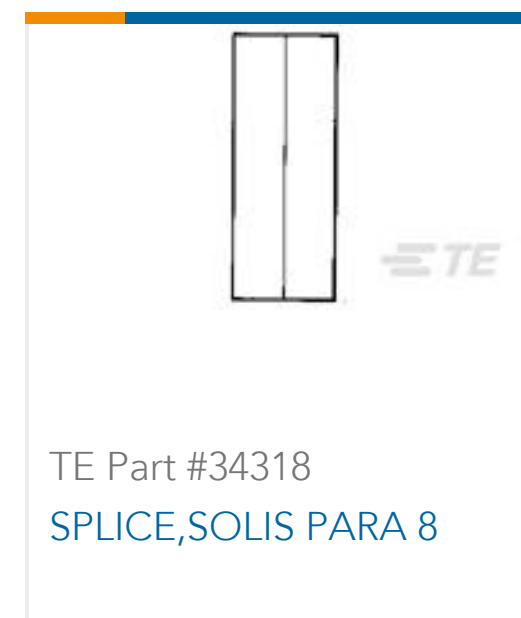
TE Part #33220  
 TERMINAL,SOLIS R 12-10 3  
 /8



TE Part #34125  
 TERMINAL,SOLIS R 16-14 5  
 /16



TE Part #33458  
 TERMINAL,SOLIS R 12-10 1  
 /4



TE Part #34318  
 SPLICE,SOLIS PARA 8



TE Part #34138  
 SPLICE,SOLIS PARA 12-10



TE Part #34137  
 SPLICE,SOLIS PARA BRZD  
 16-14



TE Part #60253-2  
 FF 250 REC 16-12AWG  
 TPBR



TE Part #2-520102-2  
 ULTRA-FAST 250  
 ASSEMBLY TAB 22-18  
 AWG BR



## Documents

### Product Drawings

[TERMINAL,SOLIS R 12-10 5/16](#)

English

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### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_33459\\_BA.2d\\_dxf.zip](#)

English

### 3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_33459\\_BA.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_33459\\_BA.3d\\_stp.zip](#)

English

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### Product Environmental Compliance

[TE Material Declaration](#)

English

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### Agency Approvals

[UL](#)

English