



Terminals & Splices > Ring Terminals



Ring Terminal Product Type: Closed Ring Tongue Terminal

Wire Size: 5180 – 13100 CMA

Stud Size: #10

Features

Product Type Features

|                                        |                             |
|----------------------------------------|-----------------------------|
| Ring Terminal Product Type             | Closed Ring Tongue Terminal |
| Stud Size                              | #10                         |
| Sealable                               | No                          |
| Wire Insulation Support Retention Type | Non-Insulation Support      |

Configuration Features

|                 |   |
|-----------------|---|
| Number of Holes | 1 |
|-----------------|---|

Body Features

|                |         |
|----------------|---------|
| Product Weight | 2.037 g |
|----------------|---------|

Contact Features

|                           |          |
|---------------------------|----------|
| Barrel Type               | Closed   |
| Terminal Orientation      | Straight |
| Terminal Plating Material | Tin      |

Mechanical Attachment

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

Dimensions

|  |  |
|--|--|
|  |  |
|--|--|

|                        |                   |
|------------------------|-------------------|
| Wire Size              | 5180 – 13100 CMA  |
| Stud Diameter          | 5 mm[.197 in]     |
| Tongue Thickness       | .99 mm[.039 in]   |
| Product Length         | 20.52 mm[.808 in] |
| Barrel Inside Diameter | 3.28 mm[.129 in]  |

Usage Conditions

|                             |                        |
|-----------------------------|------------------------|
| Insulation Option           | Uninsulated            |
| Operating Temperature Range | 0 – 170 °C[0 – 338 °F] |

Operation/Application

|                                       |        |
|---------------------------------------|--------|
| Compatible With Wire Base Material    | Copper |
| Compatible With Wire Plating Material | Tin    |

Industry Standards

|                               |    |
|-------------------------------|----|
| Government Qualified Terminal | No |
|-------------------------------|----|

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: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content                               | Low Halogen - Br, Cl, F < 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



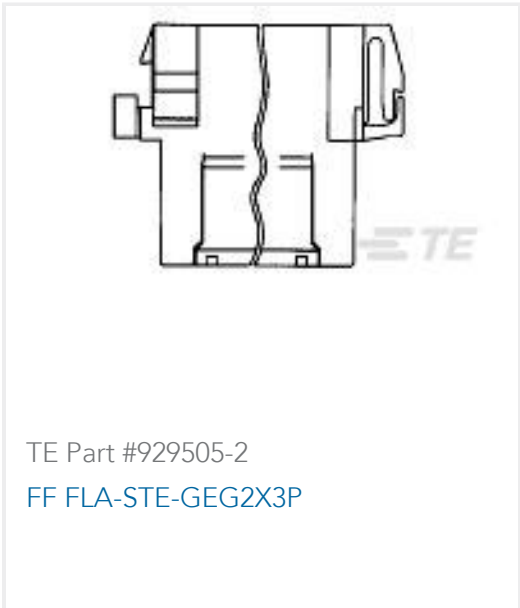
limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration 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

|                                                     |                                                    |                                                 |                                           |
|-----------------------------------------------------|----------------------------------------------------|-------------------------------------------------|-------------------------------------------|
|                                                     |                                                    |                                                 |                                           |
| TE Part # 169400<br>CERTI-LOK FRAME W/O DIES        | TE Part # 58546-1<br>PC 22-10 SOLISSPICE SPL I SHT | TE Part # 47814<br>DIES SOLIS 12-10 DIE SET     | TE Part # 525693<br>DAHT SOLIS 22-10 ASSY |
|                                                     |                                                    |                                                 |                                           |
| TE Part # 58545-3<br>SDE DIE ASSY. 22-10 SOLISTRAND | TE Part # 58545-1<br>SOLISTRAND 10-22 DIE ASSY     | TE Part # 58545-4<br>SOLISTRAND 10-22 DIE ASSY. | TE Part # 49935<br>DAHT SOLIS 22-10 ASSY  |

Customers Also Bought

|                                                     |                                             |                                               |                                                    |
|-----------------------------------------------------|---------------------------------------------|-----------------------------------------------|----------------------------------------------------|
|                                                     |                                             |                                               |                                                    |
| TE Part #DT12P-DC<br>PROTECT CVR, 12P, REC, GRY, DT | TE Part #34123<br>TERMINAL,SOLIS R 16-14 10 | TE Part #35476<br>TERMINAL,SOLIS R 12-10 6    | TE Part #35684<br>TERMINAL,SOLIS R 14-12 6         |
|                                                     |                                             |                                               |                                                    |
| TE Part #36160<br>TERMINAL,PIDG R 16-14 10          | TE Part #36499<br>TERMINAL,SOLIS R 8 3/8    | TE Part #5-104505-2<br>MTE PIN 22-26 AWG PLTD | TE Part #641971-1<br>09P UMNL PIN HDR ASSY V2 NATL |



Documents

Product Drawings

TERMINAL,SOLIS R 12-10 10

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_31805\_D.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_31805\_D.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_31805\_D.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_31805\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_31805\_B.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_31805\_B.2d\_dxf.zip

English

3D PDF

English

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

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English

31805

Closed Ring Tongue Terminal, 12 – 10 AWG, #10 Stud, 5 mm [.197 in] Stud Diameter,  
Closed Barrel, Straight, Tin Plating, Uninsulated

