



TE Internal #: 160018-2

Closed Ring Tongue Terminal, 20 – 16 AWG, #8 / M4 Stud, 4.2 mm  
 [.165 in] Stud Diameter, Open Barrel, Straight, Tin Plating,  
 Uninsulated

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Terminals & Splices > Ring Terminals



Ring Terminal Product Type: **Closed Ring Tongue Terminal**

Wire Size: **1021 – 2582 CMA**

Stud Size: **#8, M4**

## Features

### Product Type Features

|  |                             |
|--|-----------------------------|
| Shape Description                      | Circular/Oval               |
| Ring Terminal Product Type             | Closed Ring Tongue Terminal |
| Stud Size                              | #8, M4                      |
| Sealable                               | No                          |
| Compatible With Discrete Wire Type     | Stranded                    |
| Wire Insulation Support Retention Type | Insulation Support          |

### Configuration Features

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

### Body Features

|                |        |
|----------------|--------|
| Product Weight | .808 g |
|----------------|--------|

### Contact Features

|                               |          |
|-------------------------------|----------|
| Contact Base Material         | Brass    |
| Barrel Type                   | Open     |
| Terminal Orientation          | Straight |
| Terminal Plating Material     | Tin      |
| Contact Underplating Material | None     |



### Mechanical Attachment

|                         |      |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

### Dimensions

|                                      |                                     |
|--------------------------------------|-------------------------------------|
|                                      | .07 in                              |
| Wire Size                            | 1021 – 2582 CMA                     |
| Stud Diameter                        | 4.2 mm [.165 in]                    |
| Tongue Thickness                     | .76 mm [.03 in]                     |
| Product Length                       | 12.45 mm [.49 in]                   |
| Barrel Inside Diameter               | 1.9 mm, 2.15 mm [.075 in] [.085 in] |
| Compatible Insulation Diameter (Max) | 2.29 mm [.09 in]                    |
| Compatible Insulation Diameter Range | 1.8 – 2.3 mm [.07 – .09 in]         |

### Usage Conditions

|                             |                             |
|-----------------------------|-----------------------------|
| Insulation Option           | Uninsulated                 |
| Operating Temperature Range | -40 – 110 °C [-40 – 230 °F] |

### Operation/Application

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

### Industry Standards

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

### Packaging Features

|                    |            |
|--------------------|------------|
| Packaging Quantity | 15000      |
| Packaging Method   | Strip/Reel |

### 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 | 有害物质含量符合标准要求 No Restricted Substance(s) 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 # 4150044-2  
OCEAN\_2.0\_APPLICATOR-E-120F120O-REA

TE Part # 4150044-1  
OCEAN\_2.0\_APPLICATOR-E-120F120O-REM

TE Part # 160548-2  
RING TONGUE 22-20 AWG .0120 X .290 PTPBR

TE Part # 7-4150044-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-120F120O

### Customers Also Bought

TE Part # T4171130012-001  
M12,REAR MOUNT,FEMALE, A, 12P, 0.2M WIRE

TE Part # 160344-2  
RING TONGUE 20-16 AWG .025 X .840

TE Part # 160691-2  
FF 250 TAB 22-18AWG TPBR

TE Part # 206512-6  
LARGE CABLE CLAMP KIT,BULK PKG

TE Part # 282838-4  
TERMI-BLOK PCB MOUNT 90 4P.

TE Part # 1546173-2  
5MM PLUG,90/180,2 POS,GREEN,SN

TE Part # 5-1734857-5  
PCI EXP STRADDLE 36P BLK 30u\*

TE Part # 7-1879501-5  
CRGH2512 5% 1K2 2W



TE Part #9-2176070-8  
3521 110K 1% 2W



TE Part #5555163-2  
MJ,LPF,R/A,6P/4C,PNL STOPS,BU

## Documents

### Product Drawings

[RING TONGUE 176 20-16 AWG 0.251 NIBR](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_160018-2\\_T.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_160018-2\\_T.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_160018-2\\_T.3d\\_stp.zip](#)

English

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### Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English