

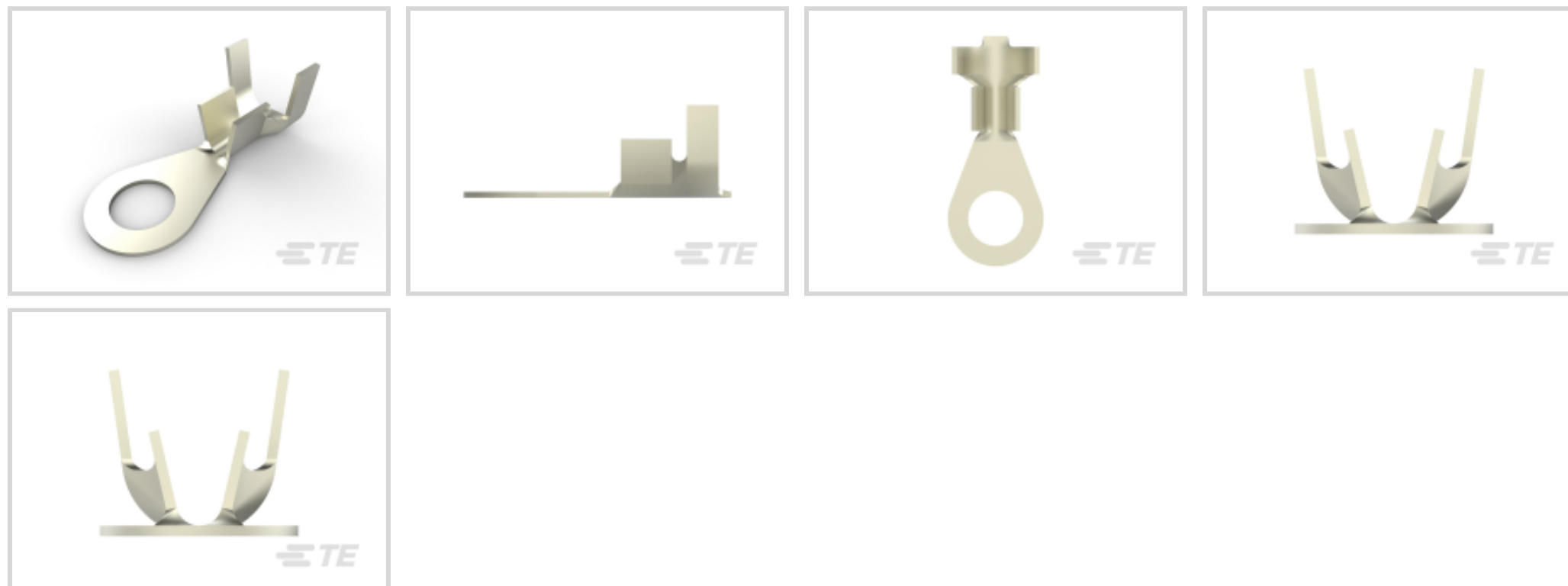


TE Internal #: 640253-4

Closed Ring Tongue Terminal, 16 – 12 AWG, #10 Stud Size, 5 mm [.197 in] Stud Diameter, Open Barrel, Straight, Nickel, Uninsulated

[View on TE.com >](#)

Terminals & Splices > Ring Terminals



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

Wire Size: **2582 – 6529 CMA**

Stud Size: **#10**

### Features

#### Product Type Features

Shape Description	Circular/Oval
Ring Terminal Product Type	Closed Ring Tongue Terminal
Stud Size	#10
Sealable	No
Compatible With Discrete Wire Type	Stranded
Wire Insulation Support Retention Type	Insulation Support

#### Contact Features

Contact Base Material	Steel
Barrel Type	Open
Terminal Orientation	Straight
Terminal Plating Material	Nickel
Contact Underplating Material	None

#### Mechanical Attachment

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

#### Dimensions

	.15 in
--	--------



Wire Size	2582 – 6529 CMA
Stud Diameter	5 mm [.197 in]
Tongue Thickness	.46 mm [.018 in]
Product Length	19.81 mm [.78 in]
Barrel Inside Diameter	2.03 mm, 5.84 mm [.08 in] [.23 in]
Compatible Insulation Diameter (Max)	6.35 mm [.25 in]
Compatible Insulation Diameter Range	3.81 – 6.35 mm [.15 – .25 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	8000
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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

TE Part # 2-2150489-1  
OCEAN\_2.0\_APPLICATOR-E-140F280F

TE Part # 2-2150489-2  
OCEAN\_2.0\_APPLICATOR-E-140F280F

TE Part # 2150489-1  
OCEAN\_2.0\_APPLICATOR-E-140F280F

TE Part # 2150489-2  
OCEAN\_2.0\_APPLICATOR-E-140F280F

TE Part # 7-2150489-1  
OCEAN\_2.0\_APPLICATOR-E-140F280F

TE Part # 7-2150489-2  
OCEAN\_2.0\_APPLICATOR-E-140F280F

**KIT** REPRESENTATION ONLY  
TE Part # 7-2150489-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-140F280F

## Customers Also Bought

TE Part # HDP26-18-14SN  
PLG, 14P, BLK, N, 16, S

TE Part # 5745908-2  
PLUG ASSY, 15P, HDP-20, CN

TE Part # 878086-000  
202K163-3/42-0

TE Part # 2-1879009-1  
SQB30 47R 5% 6.35MM FASTON

TE Part # 890036-000  
S1009-KIT-A

TE Part # 2103181-2  
CABLE SEAL RTNR, SIZE B, HVA280-2PI XE

TE Part # 171508-1  
PIDG RING UL 22-16

TE Part # 2-1879338-9  
CPF 0603 52K3 1% 50PPM 1K RL



## Documents

### Product Drawings

[RING TONGUE .190 16-12 AWG NPST](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_640253-4\\_L.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_640253-4\\_L.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_640253-4\\_L.3d\\_stp.zip](#)

English

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

### Product Specifications

[Application Specification](#)

English