

160018-1 ✓ ACTIVE

TE Internal #: 160018-1

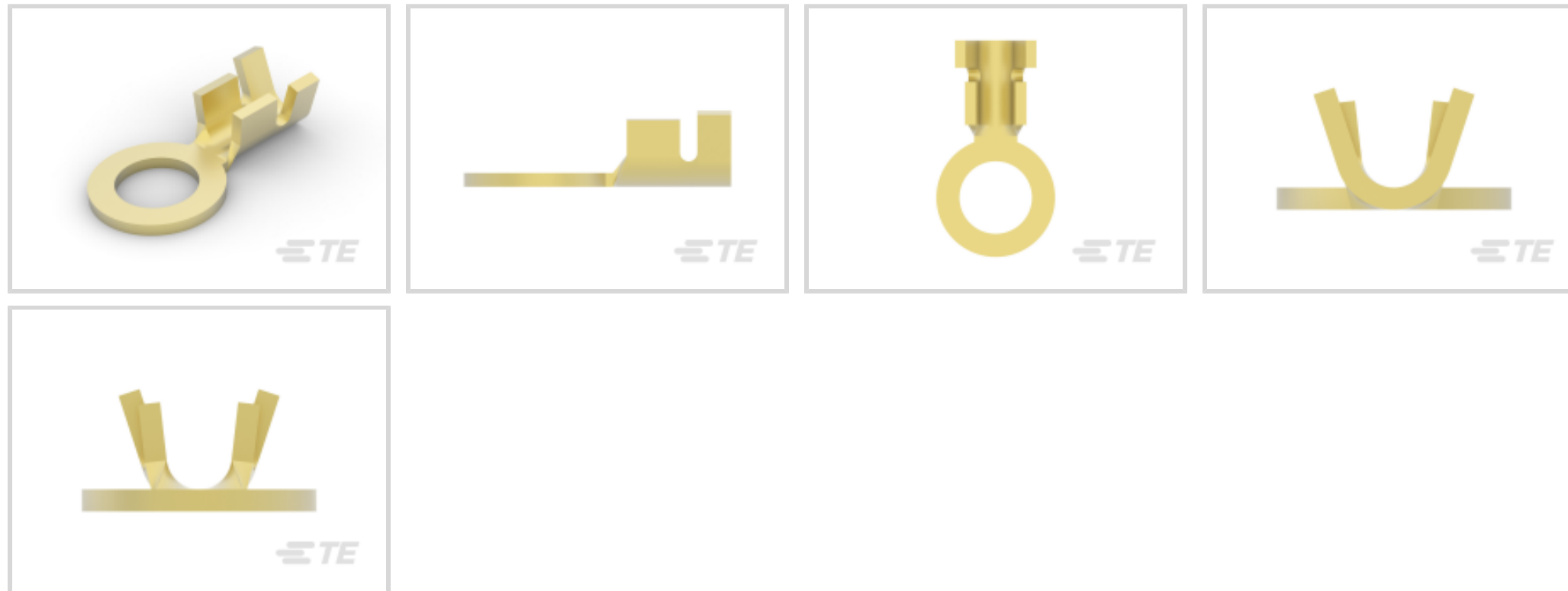
Ring Terminals & Spade Terminals, Ring Tongue, 20 – 16 AWG

Wire Size, .5 – 1 mm² Wire Size, 1021 – 2582 CMA Wire Size, Stud Size #8 / M4

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Terminals & Splices > Ring Terminals & Spade Terminals



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

Wire Size: **1021 – 2582 CMA**

Stud Size: **#8, M4**

Features

Product Type Features

| | |
|--|--------------------|
| Shape Description | Circular/Oval |
| 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 |
| Terminal Angle | 180 ° |

Body Features

| | |
|------------------|--------|
| Weight per Piece | .399 g |
|------------------|--------|

Contact Features

| | |
|----------------------------|-------------|
| Contact Base Material | Steel |
| Ring & Spade Terminal Type | Ring Tongue |
| Barrel Type | Open |
| Terminal Orientation | Straight |
| Terminal Plating Material | Unplated |



| | |
|-------------------------------|------|
| 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] |
| Overall Product Length | 12.45 mm[.49 in] |
| Barrel Inside Diameter | 1.9 mm, 2.15 mm[.075 in][.085 in] |
| Accepts Wire Insulation Diameter (Max) | 2.29 mm[.09 in] |
| Accepts Wire 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 |
| Heavy Duty | No |

Industry Standards

| | |
|----------------------|----|
| Government Qualified | 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 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUL 2021 (219) |

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

RING TONGUE 176 20-16 AWG 0.251 STNP

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_160018-1_T.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_160018-1_T.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_160018-1_T.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English