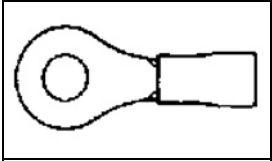


## 33459 Product Details



**33459**

TE Internal Number: 33459

 [Active](#)

 [View 3D PDF](#)

### Ring and Spade Tongue Terminals

 [Always EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

#### Product Highlights:

- Terminal Shape = Ring Tongue
- Receptacle Style = Straight
- Body Style = SOLISTRAND
- Barrel Type = Closed Barrel
- Wire/Cable Type = Regular Wire

[View all Features](#)

### Documentation & Additional Information

#### Product Drawings:

- [TERMINAL, RING TONGUE, SOLISTRAND@PZTM](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- [AEROSPACE & DEFENSE](#) (PDF, English)
- [SOLISTRAND BUDGET AND DIAMOND GRIP UNINSULATED TERMI...](#) (PDF, English)

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files: ([CAD Format & Compression Information](#))

- [2D Drawing](#) (DXF, Version BA)
- [3D Model](#) (IGES, Version BA)
- [3D Model](#) (STEP, Version BA)

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- [Terminal Shape](#) = Ring Tongue
- [Receptacle Style](#) = Straight
- [Body Style](#) = SOLISTRAND
- [Barrel Type](#) = Closed Barrel
- [Wire/Cable Type](#) = Regular Wire
- [Insulation](#) = No
- [Insulation Support](#) = Non-Insulation Support
- [Stud Diameter \(mm \[in\]\)](#) = 7.92 [0.312]
- Stud Size = 5/16 [M8]
- [Shape](#) = RING-048
- [Heavy Duty](#) = No
- [Material](#) = Copper
- [Finish](#) = Tin

#### Termination Related Features:

- Wire/Cable Size (CMA) = 5,180 - 13,100

#### Body Related Features:

- [Wire Range \(mm \[AWG\]\)](#) = 3.00-6.00<sup>2</sup> [12-10]
- Barrel I.D. Min. (mm [in]) = 3.28 [0.129]
- Stock Thickness (mm [in]) = 1.07 [0.042]

#### Contact Related Features:

- Class = 1 & 2

#### Industry Standards:

- Government/Industry Qualification = Yes
- Government/Industry Part Number = MS20659-106
- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

#### Packaging Related Features:

- [Packaging Method](#) = Loose Piece

#### Other:

- Brand = AMP