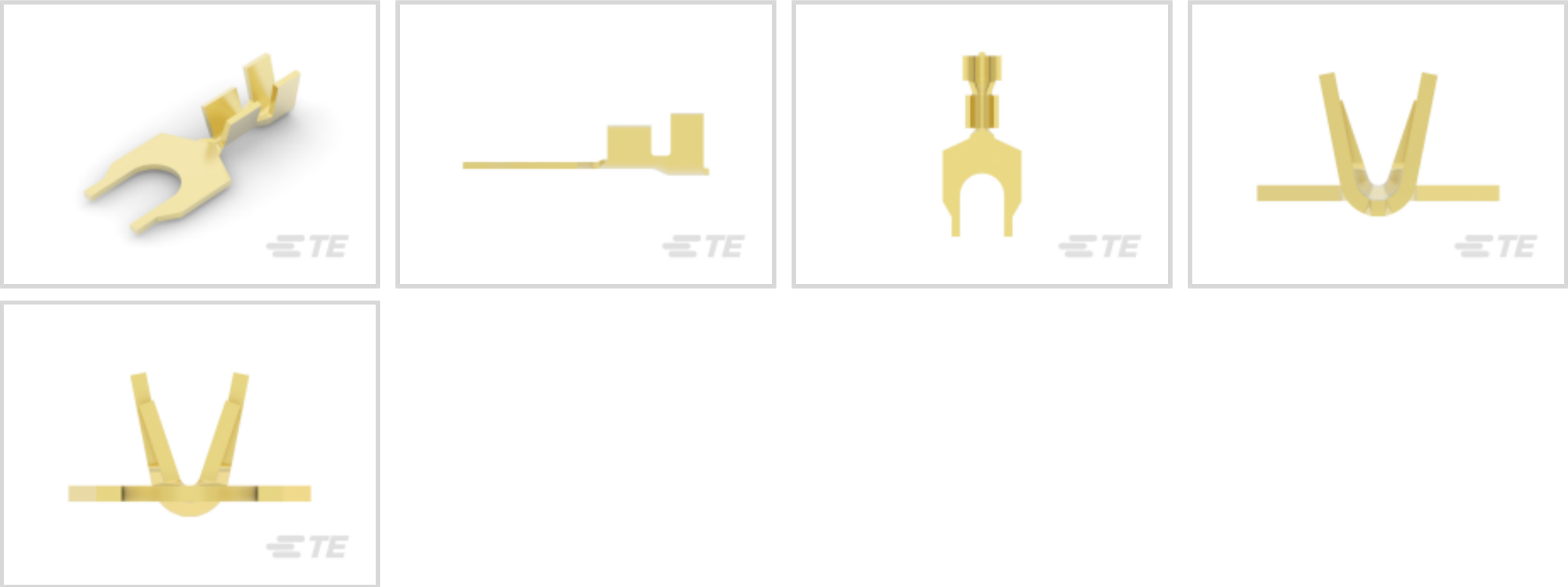




TE Internal #: 350502-2  
Ring Terminals & Spade Terminals, Spade Tongue, 28 – 22AWG  
Wire Size, .08 – .325mm² Wire Size, 160 – 642CMA Wire Size, #5 /  
M3  
[View on TE.com >](#)

Terminals & Splices > Ring Terminals & Spade Terminals



Terminal & Splice Type: **Spade Tongue**  
Wire Size: **160 – 642 CMA**  
Ring & Spade Stud Size: **#5, M3**

Features

Product Type Features

|                              |                    |
|------------------------------|--------------------|
| Terminal Features            | Sheared            |
| Shape Description            | Square Spade       |
| Ring & Spade Stud Size       | #5, M3             |
| Ring & Spade Barrel Type     | Open Barrel        |
| Sealable                     | No                 |
| Insulated                    | No                 |
| Ring & Spade Wire/Cable Type | Regular Wire       |
| Support Style                | Insulation Support |

Configuration Features

|                 |          |
|-----------------|----------|
| Number of Holes | 1        |
| Terminal Angle  | Straight |

Body Features

|                               |          |
|-------------------------------|----------|
| Inspection Slot               | No       |
| Weight per Piece              | .172 g   |
| Ring & Spade Plating Material | Unplated |

Contact Features



|                                   |              |
|-----------------------------------|--------------|
| Contact Base Material             | Brass        |
| Terminal & Splice Type            | Spade Tongue |
| Ring & Spade Terminal Orientation | Straight     |
| Underplating Material             | None         |

Mechanical Attachment

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

Dimensions

|                                             |                                 |
|---------------------------------------------|---------------------------------|
|                                             | .035 in                         |
| Wire Size                                   | 160 – 642 CMA                   |
| Stud Diameter                               | 3.18 mm[.125 in]                |
| Tongue Thickness                            | .41 mm[.016 in]                 |
| Ring & Spade Overall Length                 | 13.97 mm[.55 in]                |
| Barrel Inside Diameter                      | .5 mm, 1.14 mm[.02 in][.045 in] |
| Ring & Spade Wire Insulation Diameter (Max) | 1.14 mm[.045 in]                |
| Ring & Spade Wire Insulation Diameter       | .89 – 1.14 mm[.035 – .045 in]   |

Usage Conditions

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

Operation/Application

|            |    |
|------------|----|
| Heavy Duty | No |
|------------|----|

Industry Standards

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

Packaging Features

|                               |            |
|-------------------------------|------------|
| Packaging Quantity            | 18000      |
| Ring & Spade 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: JAN 2021 (211)  
Candidate List Declared Against: JAN 2021 (211)  
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 # 61498-2  
SPADE 28-22 AWG .0157 X .310 TPBR

TE Part # 61498-1  
SPADE 28-22 AWG .0157 X .310 BR

TE Part # 2-2150666-1  
OCEAN\_2.0\_Applicator-E-062F0900

TE Part # 2-2150666-2  
OCEAN\_2.0\_Applicator-E-062F0900A

TE Part # 2150666-1  
OCEAN\_2.0\_Applicator-E-062F0900

TE Part # 2150666-2  
OCEAN\_2.0\_Applicator-E-062F0900A

TE Part # 61498-3  
SPADE IP 22-28 133 016PTPBR

TE Part # 7-2150666-1  
OCEAN\_2.0\_Applicator-E-062F0900



TE Part # 7-2150666-2  
[OCEAN\\_2.0\\_Applicator-E-062F0900A](#)

KIT  
REPRESENTATION ONLY  
TE Part # 7-2150666-7  
[OCEAN\\_2.0\\_SPARE\\_PART\\_KIT-062F0900](#)

Customers Also Bought

TE Part #1445828-1  
[MINI CPC](#)

TE Part #1658686-3  
[D-Sub Conn Contacts: Socket, Phosphor Bronze, Signal, Size 22](#)

TE Part #1052986-1  
[2054 1241 02](#)

TE Part #1-1410999-3  
[MULTIGIG RT GUIDE PIN, 9MM 4.20](#)

TE Part #YDTS20W25-04BAV001  
[D38999: Square Flange, 25-04 insert](#)

TE Part #1532171-3  
[M83513/04-A03N, MCKS-N1-B-9S6G9-18.0](#)

TE Part #1-1532172-9  
[M83513/04-B03C, MCKS-C2-B-15S6G9-18.0](#)

TE Part #1339375-1  
[ASSY,4 PR,DBL ENTRY,PIVOT II](#)

TE Part #1625980-6  
[HSX25 R22 5%](#)

Documents

Product Drawings

SPADE TERMINAL (ST) 28-22 AWG

English

CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_350502-2\\_T\\_c-350502-2-t.2d\\_dxf.zip](#)



English

Customer View Model

[ENG\\_CVM\\_CVM\\_350502-2\\_T\\_c-350502-2-t.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_350502-2\\_T\\_c-350502-2-t.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

Agency Approvals

[UL Report](#)

English