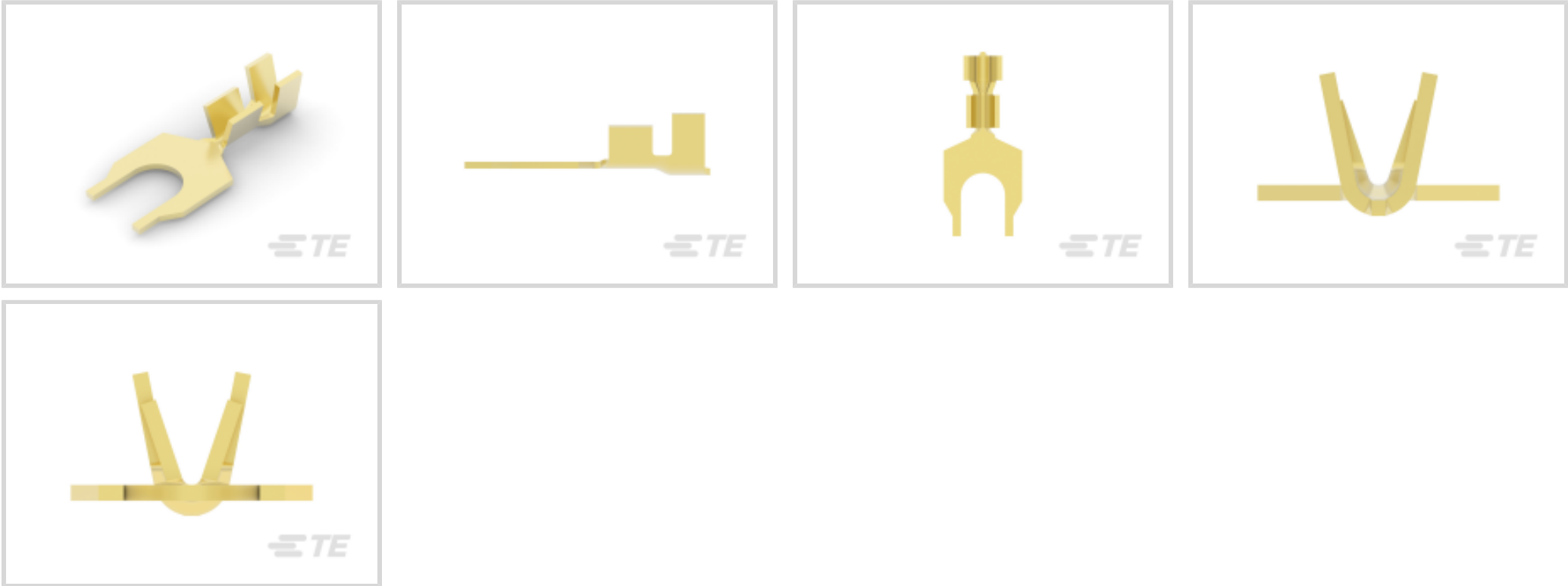




TE Internal #: 350502-2  
Spade Tongue Terminal, 28 – 22 AWG, #5 / M3 Stud, 3.18 mm [.125 in] Stud Diameter, Open Barrel, Straight, Unplated Plating, Uninsulated  
[View on TE.com >](#)

Terminals & Splices > Spade Terminals



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

Features

Product Type Features

|                                        |                    |
|----------------------------------------|--------------------|
| Shape Description                      | Square Spade       |
| Terminal Features                      | Sheared            |
| Stud Size                              | #5, M3             |
| 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 | .172 g |
|----------------|--------|

Contact Features

|                           |                       |
|---------------------------|-----------------------|
| Contact Base Material     | Brass                 |
| Spade Terminal Type       | Spade Tongue Terminal |
| Barrel Type               | Open                  |
| Terminal Orientation      | Straight              |
| Terminal Plating Material | Unplated              |



|                               |      |
|-------------------------------|------|
| Contact 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]                  |
| Product Length                       | 13.97 mm [.55 in]                 |
| Barrel Inside Diameter               | .5 mm, 1.14 mm [.02 in] [.045 in] |
| Compatible Insulation Diameter (Max) | 1.14 mm [.045 in]                 |
| Compatible Insulation Diameter Range | .89 – 1.14 mm [.035 – .045 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 | 18000      |
| 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 2025 (247)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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 # 2150666-1  
OCEAN\_2.0\_Applicator-E-062F0900-SEM

TE Part # 7-2150666-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-062F0900

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

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

TE Part # 61498-2  
SPADE 28-22 AWG .0157 X .310 TPBR

Customers Also Bought

TE Part #320553  
PIDG R 22-16 COMM 22-18 MIL 4

TE Part #2560-201-2031L  
CONT PIN

TE Part #34138  
SPLICE, SOLIS, PARA, 12-10

TE Part #41343  
SPADE 164(4.17MM) 20-16 AWG TPBR



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