

SOLISTRAND

TE Internal #: 8-31818-1
Butt Splice, 22 – 16 AWG, .3 – 1.42 mm² Wire, Serrated, 509 – 3260
CMA, Copper, 16 Serration, 14.68 mm [.578 in] Length, Loose
Piece, Closed Barrel

[View on TE.com >](#)



Terminals & Splices > Splices



Splice Type: **Butt Splice**
Wire Size: **.3 – 1.42 mm²**
Sealable: **No**
Splice Features: **Serrated**

Features

Product Type Features

Splice Accessory Type	Splice
Splice Type	Butt Splice
Sealable	No
Compatible With Discrete Wire Type	Solid, Stranded
Wire Insulation Support Retention Type	Non-Insulation Support

Configuration Features

Number of Serrations	16
Compatible With Wire & Cable Type	Discrete Wire

Body Features

Product Weight	1.077 g
Splice Features	Serrated

Contact Features

Contact Base Material	Copper
Barrel Type	Closed



Mechanical Attachment

Wire Insulation Support	Without
-------------------------	---------

Dimensions

Outside Diameter	3.58 mm[.141 in]
Wire Size	509 – 3260 CMA
Barrel Inside Diameter	1.55 mm[.061 in]
Terminal Material Thickness	.84 mm[.033 in]
Product Length	14.68 mm[.578 in]

Usage Conditions

Insulation Option	Uninsulated
-------------------	-------------

Operation/Application

Compatible With Wire Base Material	Copper
------------------------------------	--------

Industry Standards

Government Qualified Splice	No
-----------------------------	----

Packaging Features

Packaging Quantity	100
Packaging Method	Loose Piece

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) Candidate List Declared Against: JUNE 2024 (241) 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



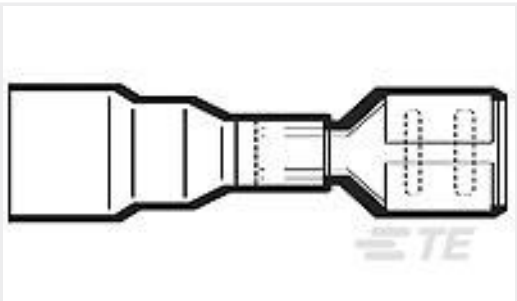
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

<p>TE Part # 58546-1 PC 22-10 SOLISSPICE SPL I SHT</p>	<p>TE Part # 169400 CERTI-LOK FRAME W/O DIES</p>	<p>TE Part # 47812 DIES SOLIS 22-16 DIE SET</p>	<p>TE Part # 58545-4 SOLISTRAND 10-22 DIE ASSY.</p>
<p>TE Part # 49935 DAHT SOLIS 22-10 ASSY</p>	<p>TE Part # 58545-3 SDE DIE ASSY. 22-10 SOLISTRAND</p>	<p>TE Part # 58545-1 SOLISTRAND 10-22 DIE ASSY</p>	

Customers Also Bought

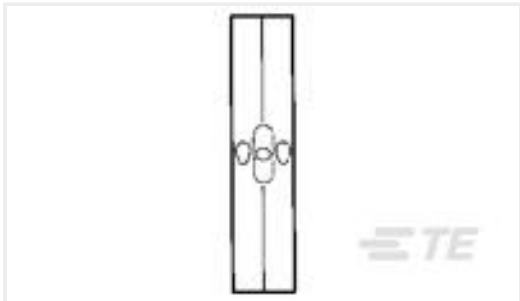
<p>TE Part #1703838-6 SLIDE,TAB HSG GROUP A</p>	<p>TE Part #776429-2 AS16,PLUG ASSY,ST,03P,N SEAL, CODE B</p>	<p>TE Part #HD10-6-GKT GASKET, 6SZ, BLK, HD10</p>	<p>TE Part #776363-1 SEALING PLUG, SZ 16 CAVITY</p>
---	---	---	---



TE Part #518553-000
B-106-3631



TE Part #2-165008-1
P.G. SPADE



TE Part #8-330368-1
SPLICE,SOLIS BUTT 16-14



TE Part #5748678-3
2 PC PLST CBL CLMP KIT



TE Part #2-2303812-1
DT04-2P-TE81, REC, 2P, GRY, E, SNAPXCAP



TE Part #0413-214-1205
SEALING PLUG, SIZE 12, KEYING, YEL

Documents

Product Drawings

SOLIS BUTT 22-16 COMM 22-18MIL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-31818-1_R.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_8-31818-1_R.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-31818-1_R.3d_stp.zip

English

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

Datasheets & Catalog Pages

SOLISTRAND - QRG

English

Instruction Sheets

Instruction Sheet (U.S.)

English