# 8-31819-1 ✔ ACTIVE

SOLISTRAND

TE Internal #: 8-31819-1

Butt Splice, 16 – 14 AWG, 1.25 – 2 mm² Wire, 2050 – 5180 CMA, Uninsulated, Serrated, Copper, 16 Serration, 14.4 mm [.567 in] Length, Loose Piece

View on TE.com >

Terminals & Splices > Splices







Splice Type: **Butt Splice**

Wire Size: **1.25 – 2 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 | 1.089 g |
| Splice Features | Serrated |

### Contact Features

| | |
|---|---|
| Contact Base Material | Copper |
| Barrel Type | Closed |

### Mechanical Attachment

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

### Dimensions

| | |
|---|---|
| Outside Diameter | 4.19 mm[.165 in] |
| Wire Size | 2050 – 5180 CMA |
| Barrel Inside Diameter | 2.16 mm[.085 in] |
| Terminal Material Thickness | .84 mm[.033 in] |
| Product Length | 14.4 mm[.567 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F < 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 # 58545-3
SDE DIE ASSY. 22-10 SOLISTRAND



TE Part # 58545-1
SOLISTRAND 10-22 DIE ASSY

TE Part # 58545-4
SOLISTRAND 10-22 DIE ASSY.



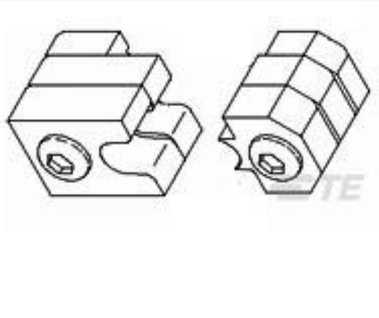

TE Part # 49935
DAHT SOLIS 22-10 ASSY



TE Part # 169400
CERTI-LOK FRAME W/O DIES



TE Part # 58546-1
PC 22-10 SOLISSPICE SPL I SHT



TE Part # 47813
DIES SOLIS 16-14 DIE SET

## Customers Also Bought



TE Part #52949-2
PG SPR SPD 22-16COMM 22-18MIL6



TE Part #53418-1
TERMINAL,PIDG PVF2 R 16-14 10



TE Part #1423171-8
E7022PE004=RLY,NUC,OFF,2P,125



TE Part #1423176-1
EGPB004=RLY,NUC,GEN. PURP,24V



TE Part #1423176-6
EGPD004=RLY,NUC,GEN. PURP,125



TE Part #1-1423177-2
ETR14D3N004=RLY,NUC,ON,4P,125



TE Part #1-1423177-3
ETR14I3A004=RLY,NUC,ON,4P,120



TE Part #1-1423177-9
ETR14D3I004="RLY,NUC,ON,4P,125



TE Part #1437485-4
ECR0095002=SKT KIT DWG 37707-00

TE Part #4-1617802-9
0921, CIID SPECIAL CHARGE

## Documents

### Product Drawings

SPLICE,SOLIS BUTT 16-14

English

### CAD Files

Customer View Model

ENG_CVM_CVM_8-31819-1_U.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_8-31819-1_U.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_8-31819-1_U.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