

31818 ✓ ACTIVE

SOLISTRAND

TE Internal #: 31818

Splices, 22 – 16 AWG Wire Size, .3 – 1.42 mm<sup>2</sup> Wire Size, Standard, .061 in [1.55 mm] Barrel Inside Diameter, 509 – 3260 CMA Wire Size, Copper

[View on TE.com >](#)



Terminals & Splices > Splices



Wire Size: .3 – 1.42 mm<sup>2</sup>

Sealable: No

Splice Features: **Standard**

Barrel Inside Diameter: 1.55 mm [.061 in ]

### Features

#### Product Type Features

Splice Accessory Type	Splice
Sealable	No
Splice Type	Butt Splice
Serrated	Yes
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

Weight per Piece	.975 g
Plating Material	Tin
Splice Features	Standard
Primary Product Material	Copper



### Contact Features

	100 µin
Contact Plating Material	Tin
Barrel Type	Closed

### Mechanical Attachment

Wire Insulation Support	Without
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### 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]
Overall Product Length	14.68 mm[.578 in]

### Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	170 °C[338 °F]

### Operation/Application

Heavy Duty	No
Compatible With Wire Base Material	Copper

### Industry Standards

Government Qualified Splice	No
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### Packaging Features

Packaging Quantity	1000
Packaging Method	Loose Piece

### Other

Comment	Marking: Commercial 22-16- Military 22-18 in accordance with MIL-T-7928.
Military Category	No

### 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






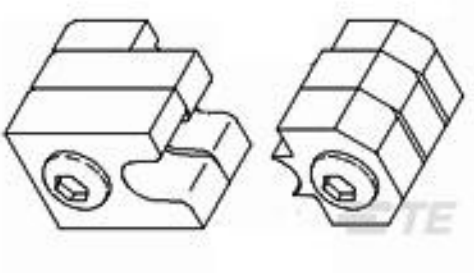




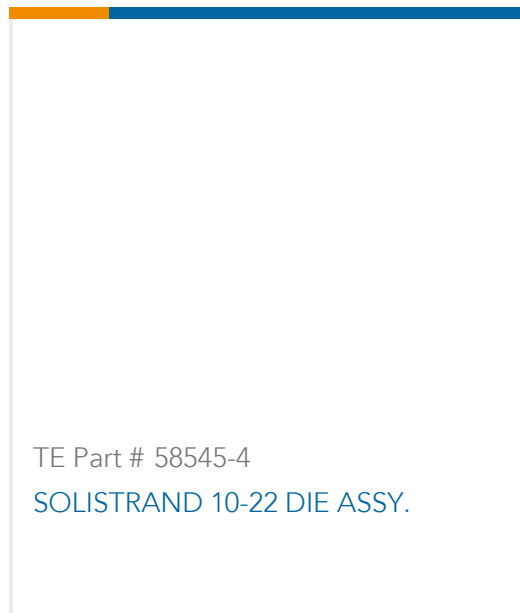
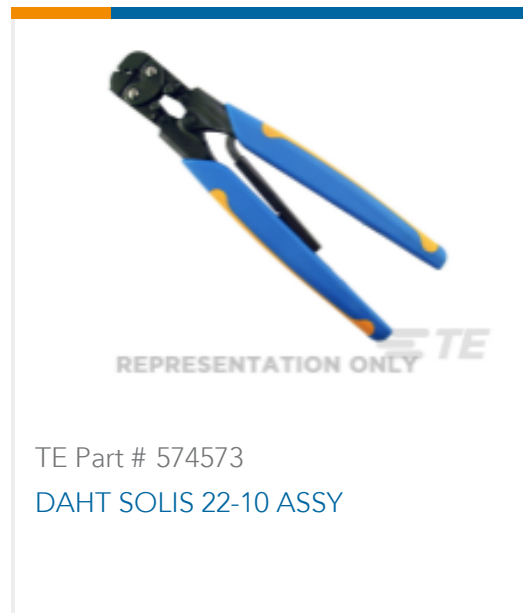
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

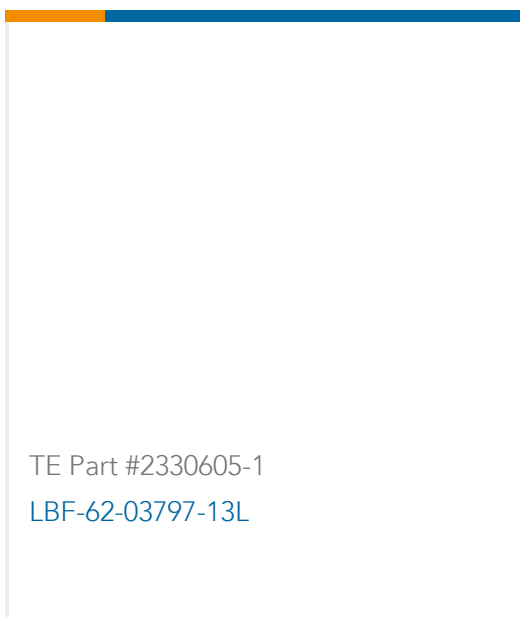
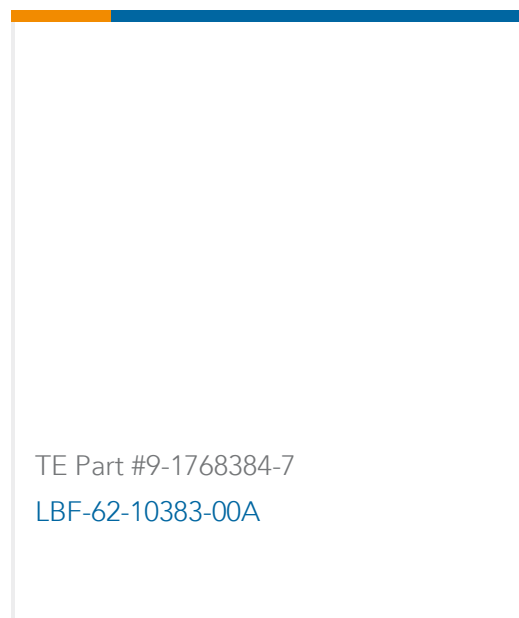
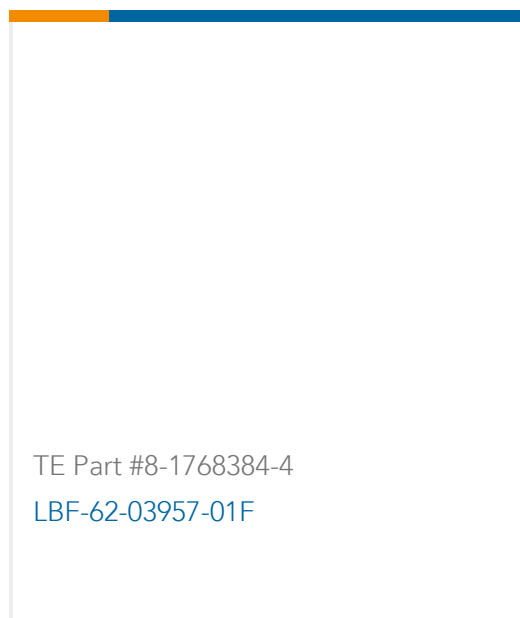
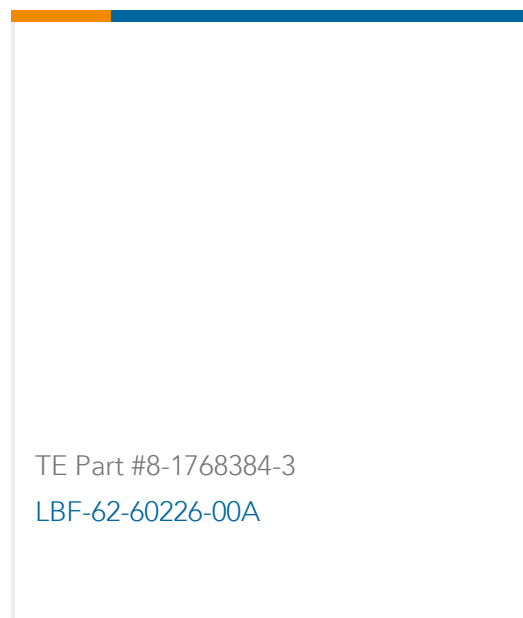
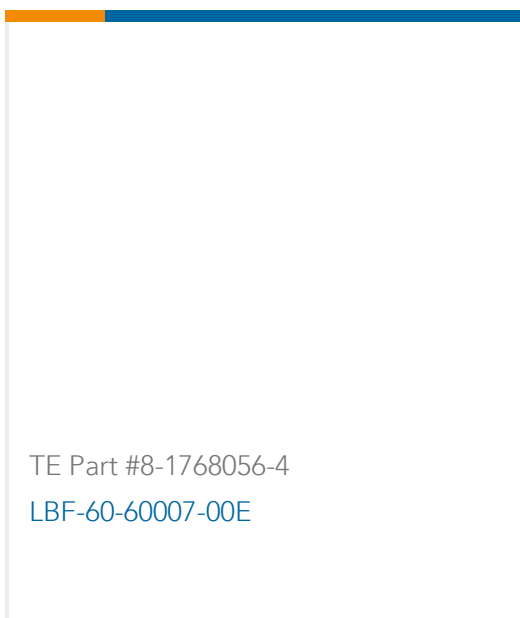
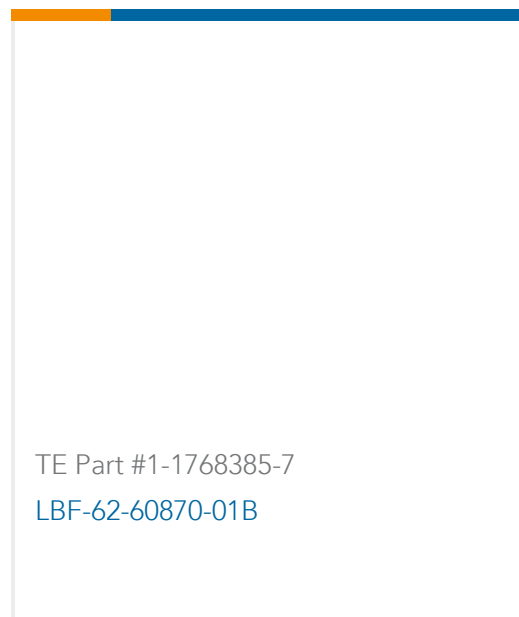
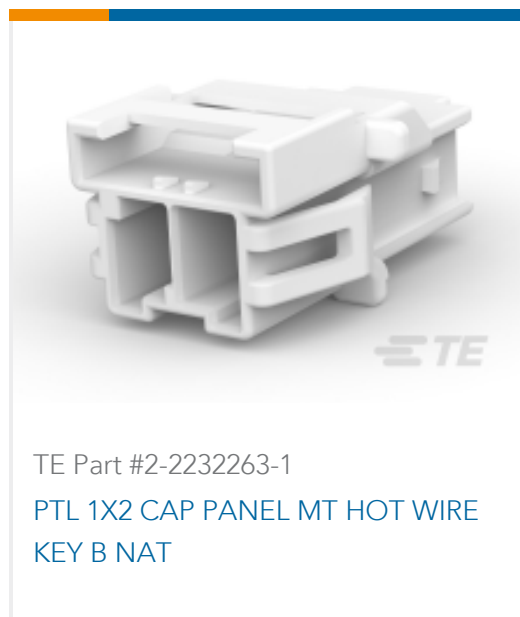
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # 58545-1 SOLISTRAND 10-22 DIE ASSY</p>	 <p>TE Part # 49935 DAHT SOLIS 22-10 ASSY</p>	 <p>TE Part # 58546-1 PC 22-10 SOLISSPICE SPL I SHT</p>	 <p>TE Part # 525693 DAHT SOLIS 22-10 ASSY</p>
 <p>TE Part # 58545-3 SDE DIE ASSY. 22-10 SOLISTRAND</p>	 <p>TE Part # 47812 DIES SOLIS 22-16 DIE SET</p>	 <p>TE Part # 7-1377172-1 SMP 0-0031818-0</p>	 <p>TE Part # 539662-2 MATR SOLISTR 0,3-6,</p>



### Customers Also Bought



### Documents

#### Product Drawings

SOLIS BUTT 22-16 COMM 22-18MIL

English

#### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_31818\_R.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_31818\\_R.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_31818\\_R.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[SOLISTRAND - QRG](#)

English

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**Product Environmental Compliance**

[MD\\_31818\\_10312017710\\_dmtec](#)

English

[MD\\_31818\\_10312017710\\_dmtec](#)

English

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**Agency Approvals**

[UL Report](#)

English

[UL Report](#)

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