

42531-2 ✓ ACTIVE

### SHUR-PLUG 180

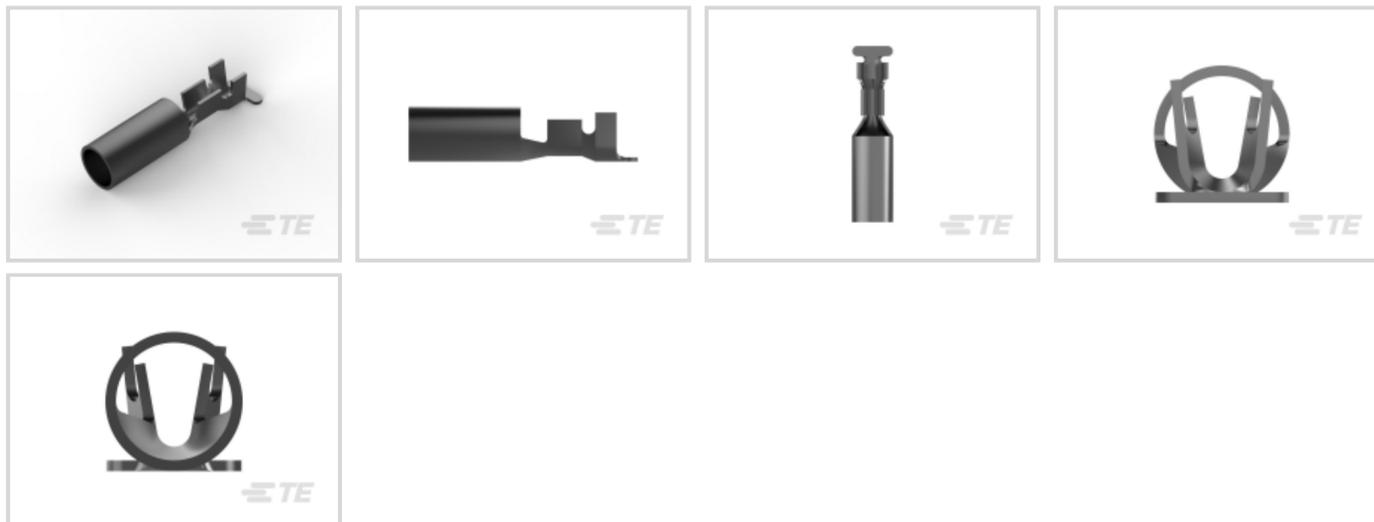
TE Internal #: 42531-2

Shur-Plug Terminal, 4.57 mm [.18 in] Pin Diameter, 20 – 16 AWG, .5 – 1.3 mm<sup>2</sup> Wire, 1021 – 2582 CMA, 19.94 mm [.785 in] Length, SHUR-PLUG 180

[View on TE.com >](#)



Terminals & Splices > Crimp Wire Pins, Tabs & Ferrules



Crimp Wire Terminal Type: **Shur-Plug Terminal**

Mating Pin Diameter: **4.57 mm [.18 in]**

Compatible Insulation Diameter Range: **2.29 – 3.05 mm, 3.05 mm [.09 – .12 in, .12 in]**

Wire Size: **.5 – 1.3 mm<sup>2</sup>**

## Features

### Product Type Features

Compatible With Discrete Wire Type

Solid, Stranded

### Configuration Features

Compatible With Wire & Cable Type

Discrete Wire

### Contact Features

Crimp Wire Terminal Type

Shur-Plug Terminal

Mating Pin Diameter

4.57 mm [.18 in]

Barrel Type

Open

Terminal Plating Material

Tin

Terminal Orientation

Straight

### Mechanical Attachment

Wire Insulation Support

With

### Dimensions

Compatible Insulation Diameter Range

2.29 – 3.05 mm, 3.05 mm [.09 – .12 in][.12 in]

Wire Size

1021 – 2582 CMA



Barrel Inside Diameter	1.29 mm, 2.54 mm [.051 in][.1 in]
Terminal Material Thickness	.41 mm [.016 in]
Overall Product Length	19.94 mm [.785 in]

### Usage Conditions

Insulation Option	Uninsulated
Operating Temperature Range	-40 – 105 °C [-40 – 221 °F]

### Packaging Features

Packaging Quantity	12500
Packaging Method	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: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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>

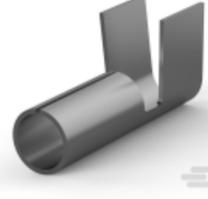
### Compatible Parts




TE Part # 2150372-2  
OCEAN\_2.0\_APPLICATOR-E-090F130O-REA



TE Part # 42700-1  
SHUR PLUG 180 RECEPTACLE 20-16 AWG BR



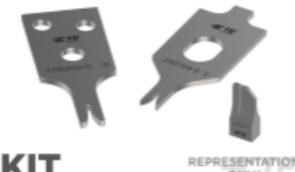
TE Part # 1217074-2  
SHUR PLUG,180,REC.,2 X 8 AWG,TPBR



TE Part # 42749-1  
SHUR PLUG 180 REC 20-16 AWG BR



TE Part # 62757-1  
225 DIA PIN 18-14 016BR



**KIT**  
TE Part # 7-2150372-7  
OCEAN\_2.0\_SPARE\_PART\_KIT-090F130O

Also in the Series | **SHUR-PLUG 180**



Crimp Wire Pins, Tabs & Ferrules(37)

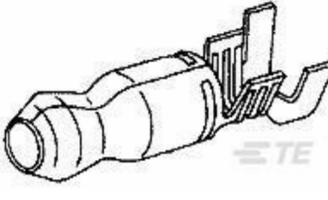


Insulation Boots & Sleeves(6)

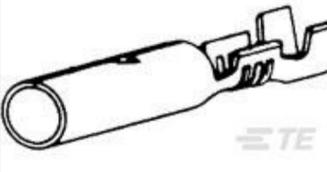


Special Purpose Terminals(1)

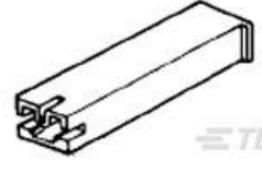
Customers Also Bought



TE Part #60793-1  
SHUR PLUG .180 18-14 AWG TPBR



TE Part #61412-2  
SHUR PLUG 180 RECEPTACLE 18-14 AWG TPBR



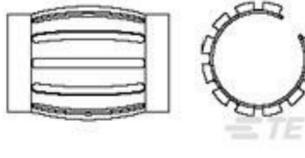
TE Part #1-173974-1  
PL 187 HOUSING RECEPTACLE NATURAL



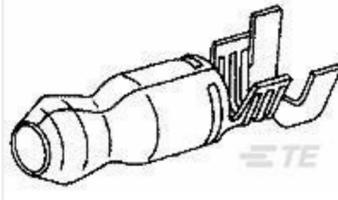
TE Part #184346-1  
2X2 CAP ASY KEY A C3



TE Part #184392-1  
2X2 PLG ASY, KEY A, W/O CPA C3



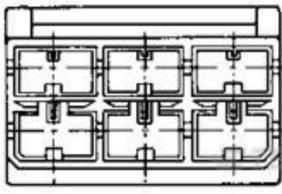
TE Part #2-192039-1  
LA3S .248,.008, SILPL



TE Part #505038-1  
SHUR PLUG 180 CRIMP TAB 20-16 AWG BR



TE Part #770096-1  
09P .093 COMM P&S PLUG



TE Part #926330-1  
PL 250 REC HSG 6P NYLON BLACK



TE Part #2292802-3  
AS16, PLUG BACKSHELL KIT, ST, 12P,  
NC16

## Documents

### Product Drawings

#### SHUR PLUG 180 RECEPTACLE 20-16 AWG TPBR

English

### CAD Files

#### 3D PDF

3D

#### Customer View Model

[ENG\\_CVM\\_CVM\\_42531-2\\_BD.2d\\_dxf.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_42531-2\\_BD.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_42531-2\\_BD.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

#### Agency Approval Document

English