

42700-1 ✓ ACTIVE

## SHUR-PLUG 180

TE Internal #: 42700-1

Shur-Plug, 4.57 mm [.18 in] Pin Diameter, 20 – 16 AWG, .5 – 1.3 mm<sup>2</sup> Wire, 1021 – 2582 CMA, Open Barrel, Unplated Plating, SHUR-PLUG 180

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Terminals & Splices > Crimp Wire Pins, Tabs & Ferrules



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

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

Compatible Insulation Diameter Range: **2.54 – 3.56 mm, 3.56 mm [.14 in, .1 – .14 in]**

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

### Features

#### Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

#### Product Type Features

Compatible With Discrete Wire Type	Solid, Stranded
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#### Configuration Features

Compatible With Wire & Cable Type	Discrete Wire
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#### Contact Features

Crimp Wire Terminal Type	Shur-Plug
Mating Pin Diameter	4.57 mm [.18 in]
Barrel Type	Open
Terminal Plating Material	Unplated
Terminal Orientation	Right Angle

#### Mechanical Attachment

Wire Insulation Support	With
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### Dimensions

Compatible Insulation Diameter Range	2.54 – 3.56 mm, 3.56 mm [.14 in][.1 – .14 in]
Wire Size	1021 – 2582 CMA
Barrel Inside Diameter	1.27 mm [.12 in][.05 in]
Terminal Material Thickness	.4 mm [.016 in]
Overall Product Length	15.75 mm [.62 in]

### Usage Conditions

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

### Other

EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Product Compliance

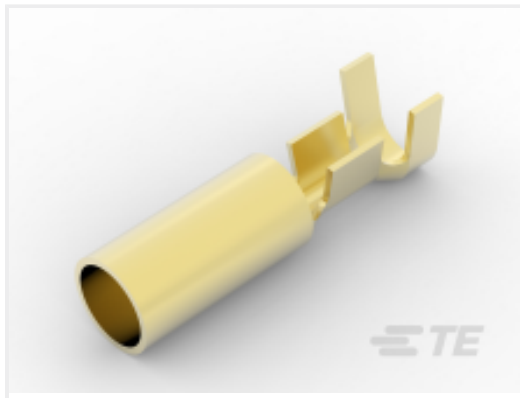
[For compliance documentation, visit the product page on TE.com>](#)

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 2024 (241) 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

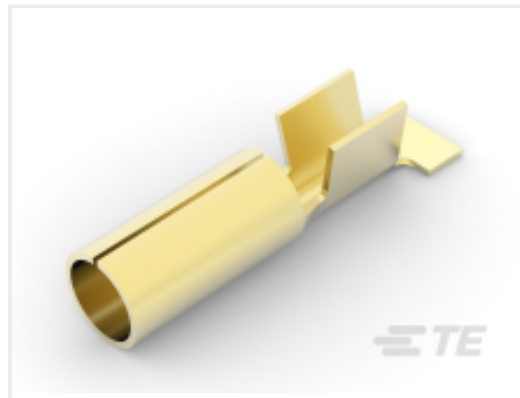
#### Product Compliance Disclaimer

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



TE Part # 61412-1  
SHUR PLUG 180 RECEPTACLE 18-14 AWG BR



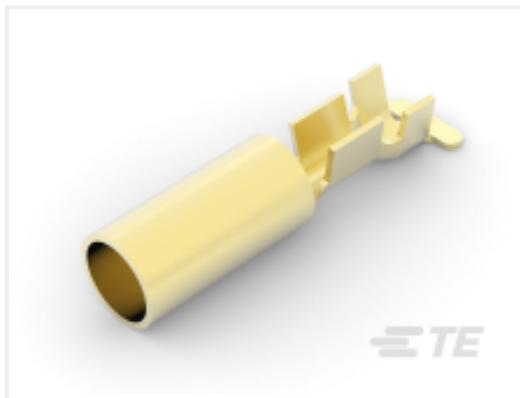
TE Part # 42891-1  
SHUR PLUG 180 RECEPTACLE 14-10 AWG BR



TE Part # 60017-3  
RIGHT ANGLE SHUR PLUG REC 20-16 0.41 BR



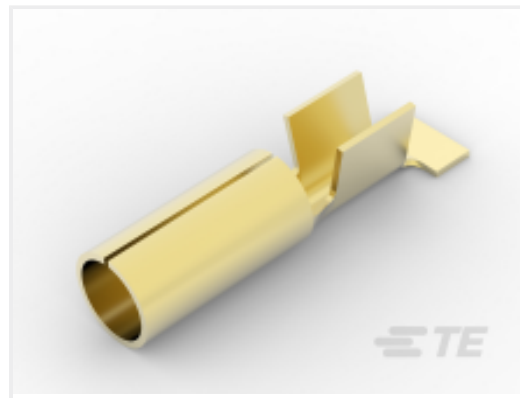
TE Part # 42749-1  
SHUR PLUG 180 REC 20-16 AWG BR



TE Part # 60799-2  
SHUR PLUG 180 RECEPTACLE 18-14 AWG BR



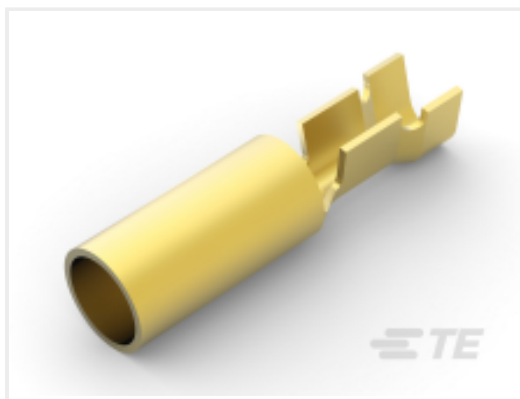
TE Part # 42531-2  
SHUR PLUG 180 RECEPTACLE 20-16 AWG TPBR



TE Part # 42868-1  
SHUR PLUG 180 RECEPTACLE 14-10 AWG BR



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



TE Part # 60798-2  
SHUR PLUG 180 RECEPTACLE 18-14 AWG BR

## 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 #1-480350-0  
01P CMNL CAP HSG F/H NATL



TE Part #D369-R33-NS0  
369 3 WAY REC, NO CONTACTS, SKT



TE Part #928966-2  
SPT REC 6.3 Contact SWS Sn



TE Part #1-480349-0  
01P CMNL PLUG HSG F/H NATL



TE Part #1-963226-1  
42P SOCKET HOUSING MIX KPL



TE Part #251895-000  
TMS-SCE-2X-1K-1/8-9



TE Part #1-968855-2  
AMP MCP 2.8, CONTACT SWS



TE Part #D369-R66-NS0  
369 6 WAY REC, NO CONTACTS, SKT



TE Part #D369-P33-NP0  
369 3 WAY PLUG, NO CONTACTS,  
PIN



TE Part #D369-R99-NS0  
369 9 WAY REC, NO CONTACTS, SKT

## Documents

### Product Drawings

[SHUR PLUG 180 RECEPTACLE 20-16 AWG BR](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_42700-1\\_T.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_42700-1\\_T.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_42700-1\\_T.3d\\_stp.zip](#)

English

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### Product Specifications

42700-1

Shur-Plug, 4.57 mm [.18 in] Pin Diameter, 20 – 16 AWG, .5 – 1.3 mm<sup>2</sup> Wire, 1021 – 2582 CMA, Open Barrel, Unplated Plating, SHUR-PLUG 180



## Application Specification

English