



SHUR-PLUG 180

TE Internal #: 42700-1

Crimp Wire Pins, Tabs & Ferrules, Shur-Plug, Mating Pin Diameter
4.57 mm [.18 in], 20 - 16 AWG Wire Size, .5 - 1.3 mm² Wire Size,
SHUR-PLUG 180

[View on TE.com >](#)

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 [.1 - .14 in, .14 in]**
Wire Size: **.5 - 1.3 mm²**

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
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
-------------------------	------

Dimensions

Compatible Insulation Diameter Range	2.54 - 3.56 mm, 3.56 mm[.1 - .14 in][.14 in]
Wire Size	1021 - 2582 CMA



Barrel Inside Diameter	1.27 mm[.05 in][.12 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]

Packaging Features

Packaging Quantity	4000
Packaging Method	Reel

Product Compliance

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

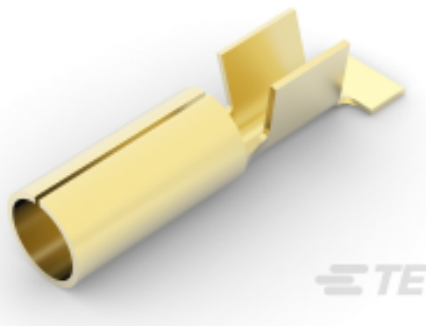
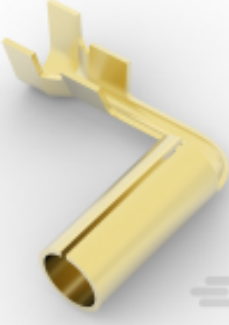
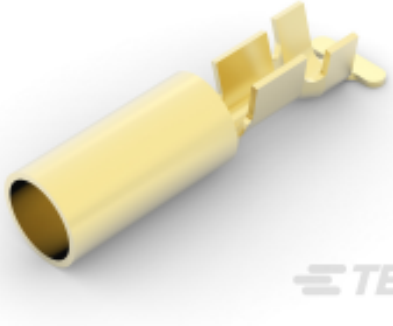
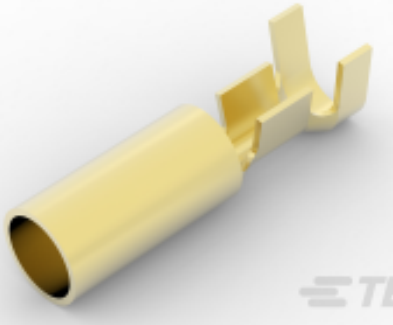
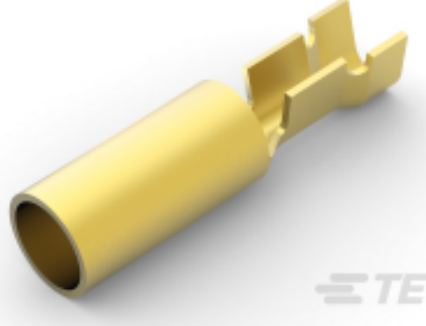
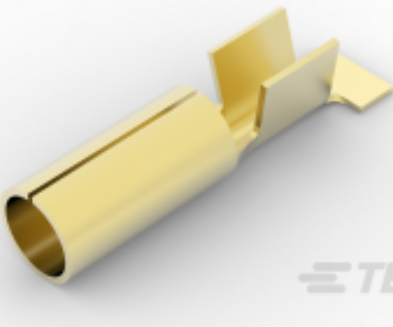
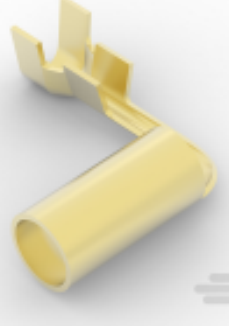
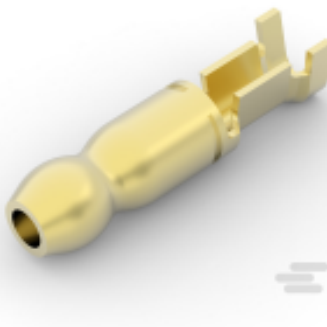
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not 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

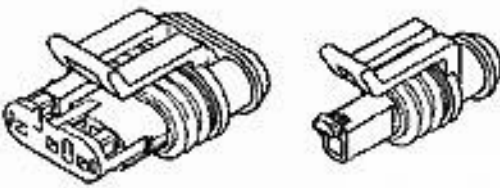
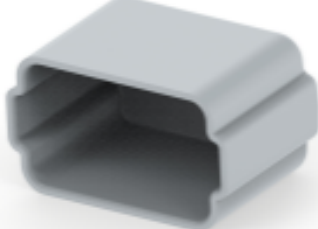


 <p>TE Part # 42891-1 SHUR PLUG 180 RECEPTACLE 14-10 AWG BR</p>	 <p>TE Part # 60017-3 RIGHT ANGLE SHUR PLUG REC 20-16 0.41 BR</p>	 <p>TE Part # 60799-2 SHUR PLUG 180 RECEPTACLE 18-14 AWG BR</p>	 <p>TE Part # 61412-1 SHUR PLUG 180 RECEPTACLE 18-14 AWG BR</p>
 <p>TE Part # 60798-2 SHUR PLUG 180 RECEPTACLE 18-14 AWG BR</p>	 <p>TE Part # 42868-1 SHUR PLUG 180 RECEPTACLE 14-10 AWG BR</p>	 <p>TE Part # 42749-1 SHUR PLUG 180 REC 20-16 AWG BR</p>	 <p>TE Part # 505038-1 SHUR PLUG 180 CRIMP TAB 20-16 AWG BR</p>
 <p>TE Part # 42531-2 SHUR PLUG 180 RECEPTACLE 20-16 AWG TPBR</p>			

Also in the Series | SHUR-PLUG 180

 <p>Crimp Terminal Housings(6)</p>	 <p>Crimp Wire Pins, Tabs & Ferrules(37)</p>	 <p>Special Purpose Terminals(1)</p>
---	---	---

Customers Also Bought

 <p>TE Part # 282087-1 AMP SUPERSEAL 1.5 SERIES 3P PL</p>	 <p>TE Part # 1060-16-0122 PIN, SF, SIZE 16, 14-18, NI/SN</p>	 <p>TE Part # DT12S-DC PROTECT CVR, 12P, PLG, GRY, DT</p>	 <p>TE Part # 1-480319-9 02P CMNL CAP HSG F/H BLK</p>
--	--	--	--



TE Part # 1-480318-9
02P CMNL PLUG HSG F/H BLK

TE Part # 1062-20-0622
SOC, SF, SIZE 20, 14-16, NI/NI

TE Part # 170340-3
FF 250 TAB 20-14AWG PTBR
WITHOUT LATCH

TE Part # DT04-12PB-BE02
REC, 12P, BLK, N, ENH KEY, CAP, B

TE Part # 174922-1
070 MLC W-W PLUG HSG 4P NATURA

TE Part # 282466-1
MINI MIC RCPT CONTACT >1,5-

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

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

Product Specifications

Application Specification

English