505038-1 ✔ ACTIVE

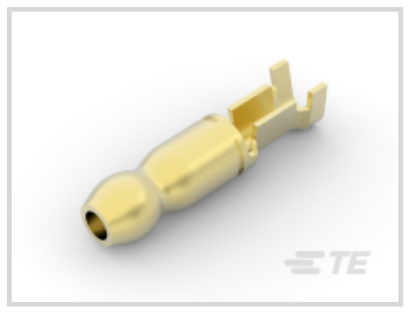
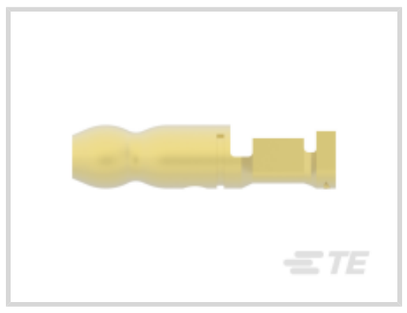
SHUR-PLUG 180

TE Internal #: 505038-1

Shur-Plug Terminal, 4.57 mm [.18 in] Pin Diameter, 20 – 16 AWG, .5 – 1.3 mm² Wire, 1021 – 2582 CMA, 18.92 mm [.745 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 – 3.17 mm, 3.17 mm [.09 – .125 in, .125 in]**

Wire Size: **.5 – 1.3 mm²**

Features

Product Type Features

Compatible With Discrete Wire Type	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	Unplated
Terminal Orientation	Straight

Mechanical Attachment

Wire Insulation Support	With

Dimensions

Compatible Insulation Diameter Range	2.29 – 3.17 mm, 3.17 mm[.09 – .125 in][.125 in]

Wire Size	1021 – 2582 CMA
Barrel Inside Diameter	1.27 mm, 2.66 mm[.05 in][.105 in]
Terminal Material Thickness	.45 mm[.018 in]
Overall Product Length	18.92 mm[.745 in]

Usage Conditions

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

Packaging Features

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

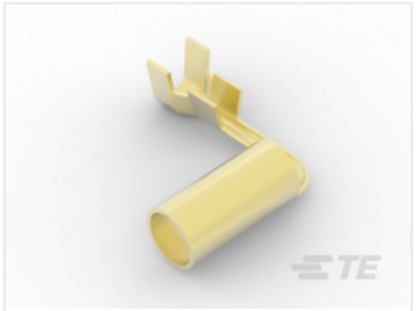
Product Compliance Disclaimer

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

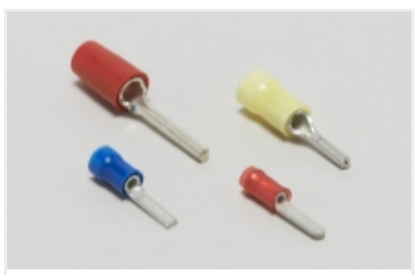


TE Part # 42749-1
SHUR PLUG 180 REC 20-16 AWG BR



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

Also in the Series | SHUR-PLUG 180



Crimp Wire Pins, Tabs & Ferrules(37)



Insulation Boots & Sleeves(6)



Special Purpose Terminals(1)

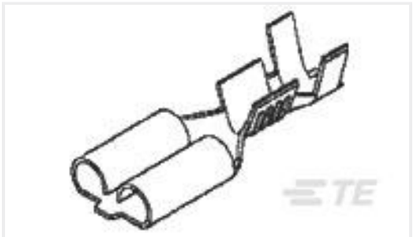
Customers Also Bought



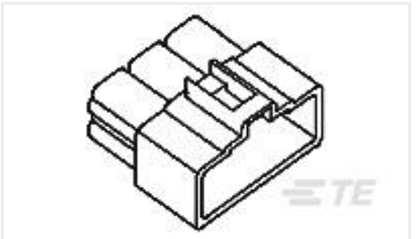
TE Part #W12S-P012
WEDGE LOCK, 12P, PLG, GRN, SL RET, DT



TE Part #DT06-08SA-CE13
PLG, 8P, GRY, E, SEAL RET, XCAP, A



TE Part #170258-2
FF 250 REC 14-12AWG TPBR REREELING



TE Part #172135-1
FF 250 REC HSG 8P NYLON NAT



TE Part #280755-2
FF 375 REC 6-10MM2 TPBR



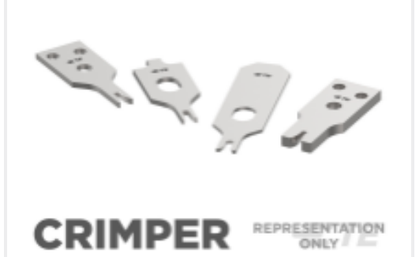
TE Part #3-647000-5
05P MTA100 PSTD CONN ASSY LF



TE Part #925595-1
MIN.SPRING RECEPT.



TE Part #3-1803412-2
ANVIL, WIRE



TE Part #4-1803454-0
CRIMPER,WIRE F



TE Part #7-2150282-7
OCEAN_2.0_SPARE_PART_KIT-110F140O

Documents

Product Drawings

SHUR PLUG 180 CRIMP TAB 20-16 AWG BR

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_505038-1_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_505038-1_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_505038-1_K.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