42531-2 ✔ ACTIVE

SHUR-PLUG 180

TE Internal #: 42531-2

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: **2.29 – 3.05 mm, 3.05 mm [.09 – .12 in, .12 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	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: 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

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

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

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

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

TE Part # 2150372-2
OCEAN_2.0_APPLICATOR-E-090F130O

TE Part # 7-2150372-2
OCEAN_2.0_APPLICATOR-E-090F130O

TE Part # 7-2150372-7
OCEAN_2.0_SPARE_PART_KIT-090F130O

Also in the Series | SHUR-PLUG 180

Crimp Terminal Housings(6)

Crimp Wire Pins, Tabs & Ferrules(37)

Special Purpose Terminals(1)

Customers Also Bought

TE Part #643407-1
06P UMNL PIN HDR ASSY POL NATL

TE Part #42913-2
RING TONGUE 10-6 AWG BR

TE Part #40660
RING 164(4.17 MM) TERMINAL 18-14 AWG BR

TE Part #2320918-1
AMPSEAL 16 Housings

TE Part #184004-1
2 POS. PLUG ASSY, KEY C, BLACK

TE Part #2350891-1
20POS,HYBRID,PIN HSG ASSY,SLD, COD A

TE Part #2350891-2
20POS,HYBRID,PIN HSG ASSY,SLD, COD B

TE Part #2357302-2
BACKSHELL,CONN KIT

TE Part #2-2600020-2
XRC PIN TERMINAL 14-18AWG Ni Plated

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

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Product Specifications

Application Specification

English

Agency Approvals

Agency Approval Document

English