638551-1 ✔ ACTIVE

AMP | AMP 0.64 Connector System

TE Internal #: 638551-1

Receptacle Terminal, 20 – 18 AWG, .5 – .8 mm² Wire, .8 mm [.031 in] Tab Width, Tin (Sn), .64 mm [.025 in] Tab Thickness, AMP 0.64 Connector System

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Automotive Parts > Automotive Terminals



Terminal Type: **Receptacle**

Wire Size: **20 – 18 AWG**

Mating Tab Width: **.8 mm [.031 in]**

Interface Plating: **Tin (Sn)**

Features

Product Type Features

Receptacle Style	180°
Primary Locking Feature	On the Terminal
Sealable	No

Body Features

Terminal Seal Type	Unsealed

Contact Features

Typical Current Rating	7.7 A
Crimp Type	F-Crimp
Contact Size	.64mm
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Terminal Type	Receptacle
Mating Tab Width	.8 mm[.031 in]
Interface Plating	Tin (Sn)
Mating Tab Thickness	.64 mm[.025 in]

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Compatible Insulation Diameter Range	.5 – .75 mm[.055 – .083 in]
Wire Size	20 – 18 AWG
Wire Size Search	.5 mm², .6 mm², .8 mm²
Tab Length	17.25 mm[.68 in]

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	125 °C[212 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Compatible With Wire Base Material	Copper

Packaging Features

Packaging Method	Package
Packaging Quantity	7000

Other

Terminal Transmits	0 – 24 A (Low Power)

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 # 2-638849-1
PLUG ASSEMBLY, BLOCKED 24 POSN



TE Part # 2203937-1
52 pos plug assy, 0.64 and 2.8



TE Part # 1326042-1
LAC CARRIER, 26 POS, 0.64MM, A KEY



TE Part # 1438426-1
0.64MM, 2POSN SEALED PLUG, BLA



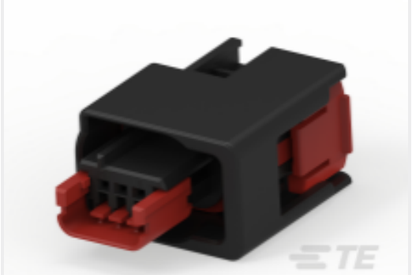
TE Part # 2151580-1
OCEAN_2.0_APPLICATOR-S-062F067F-RSM



TE Part # 2151580-2
OCEAN_2.0_APPLICATOR-S-062F067FA-RSA



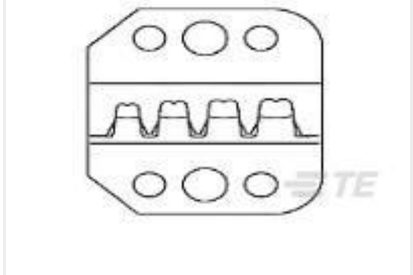
TE Part # 5-1326339-0
46P PLUG ASSY,EBC440,LEFT H,2S



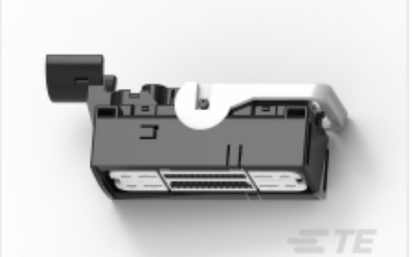
TE Part # 1438454-1
0.64MM,3 POSN SEALED PLUG ASSY



TE Part # 91338-1
0.64 MM CONTACT PRO-CRIMPER



TE Part # 91338-2
PRO CRIMPER DIE, .64MM



TE Part # 2-1326327-8
46P PLUG ASSY,EBC440,RIGHT H, 1SLOT,NO2.8



TE Part # 1-1326328-2
46P Plug Assy,EBC440,RightH,2Slot, No2.8



TE Part # 5-1897168-2
0.64MM SLD 6(10)P PLUG ASSY-C BLK



TE Part # 1-1897168-3
0.64MM SLD 6(10)P PLUG ASSY-A GRY



TE Part # 1326341-1
46P PLUG ASSY,EBC440,LEFT H, 1SLOT,W/2.8



TE Part # 1326042-2
LAC CARRIER, 26 POS, 0.64MM, B KEY



TE Part # 638394-1
ASSY,12P PLUG "A" KEY, W/O CPA



TE Part # 2305570-1
Strip Terminal Cutter-Side Feed-No Crimp



TE Part # 638393-5
10P PLUG ASSY A KEY -W/ CPA



TE Part # 776932-1
52 pos plug assy, 0.64 and 2.8

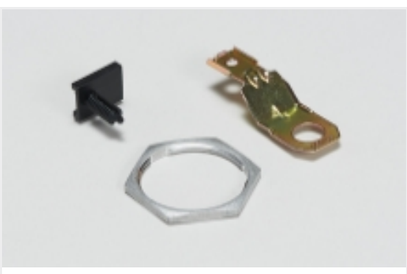
Also in the Series | AMP 0.64 Connector System



Automotive Housings(17)



Automotive Signal & Power Connector Housings(17)

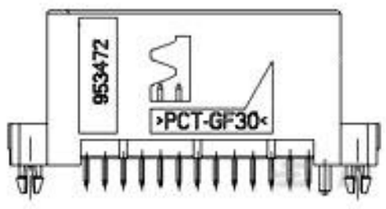


Other Automotive Connector Accessories(1)

Customers Also Bought



TE Part #638393-5
10P PLUG ASSY A KEY -W/ CPA



TE Part #953472-1
26pos MQS .63 header 180deg THR



TE Part #2066008-1
2P SUPERSEAL 1.5 SERIES TAB AS



TE Part #2441242-1
66POS,HYBRID,REC HSG ASSY, UNSLD,DOOR CON



TE Part #638517-5
PLUG ASSY, 10PSON SEALED KEY A

TE Part #1326110-1
46P PLUG ASSY,EBC440,RIGHT H, 1SLOT,W/2.8



TE Part #1326362-1
26WAY LAC "COMMON" SHIELD ASMB

TE Part #2498813-1
TAB CONN CVR,66POS,HYBRID,LH

TE Part #2498813-2
TAB CONN CVR,66POS,HYBRID,RH

TE Part #1326113-1
COVER,WIRE DRESS EBC440 46WAY

Documents

Product Drawings

CONTACT,FEMALE,0.64MM,SN,18-20

English

CAD Files

Customer View Model

ENG_CVM_638551-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_638551-1_B.3d_stp.zip

English

Customer View Model

ENG_CVM_638551-1_B.2d_dxf.zip

English

3D PDF

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English