638551-3 ✔ ACTIVE

AMP | AMP 0.64 Connector System

TE Internal #: 638551-3

Automotive Terminals, Receptacle, Mating Tab Width .64 mm [.025 in], Tab Thickness .64 mm [.025 in], 20 – 18 AWG Wire Size, AMP 0.64 Connector System

View on TE.com >

Terminals & Splices > Automotive Terminals



Terminal Type: **Receptacle**

Mating Tab Width: **.64 mm [.025 in]**

Mating Tab Thickness: **.64 mm [.025 in]**

Terminal Transmits: **0 – 24 A (Low Power)**

Wire Size: **20 – 18 AWG**

Features

Product Type Features

Receptacle Style	180°
Sealable	No

Contact Features

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

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	.5 – .8 mm^2

Wire Size Search	18 AWG, 19 AWG, 20 AWG

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Compatible With Wire Base Material	Copper

Packaging Features

Packaging Quantity	7000
Packaging Method	Package

Other

Terminal Transmits	0 – 24 A (Low Power)

Product Compliance

For compliance documentation, visit the product page on TE.com>

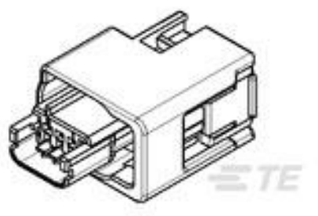
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not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

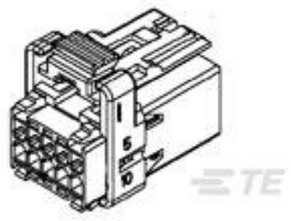
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

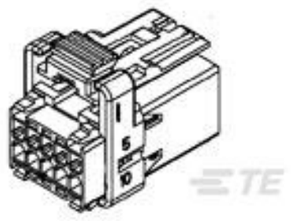
Compatible Parts



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



TE Part # 638392-1
.64MM PLUG ASSY,KEY A,W/O CPA



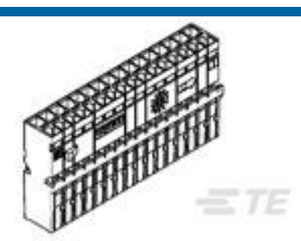
TE Part # 638393-1
10P PLUG ASSY A KEY W/O CPA



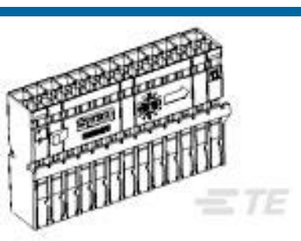
TE Part # 638393-5
10P PLUG ASSY A KEY -W/ CPA



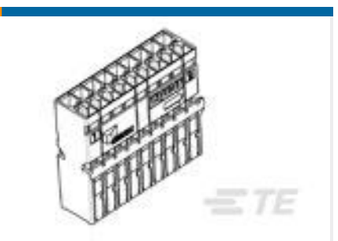
TE Part # 9-1355512-3
47 WAY ABS CONNECTOR



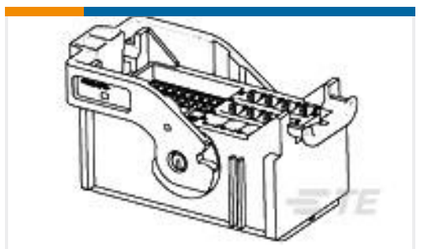
TE Part # 1326141-1
32WAY LAC RECEPTACLE CARRIER H



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



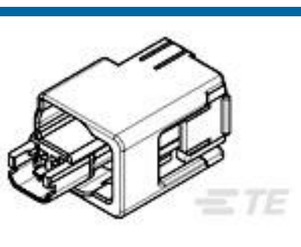
TE Part # 1326133-1
RECEPTACLE HOUSING, 18 POSITIO



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



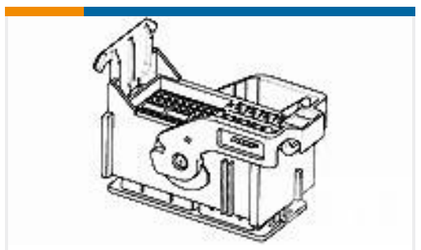
TE Part # 638394-4
ASSY,12P PLUG "D" KEY, W/O CPA



TE Part # 1438426-3
0.64MM, 2POSN SEALED PLUG, GRA



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



TE Part # 776932-3
52 pos plug, 0.64 and 2.80mm



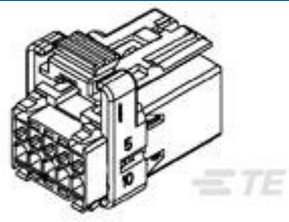
TE Part # 1355512-2
ABS CONNECTOR ASSY 47P



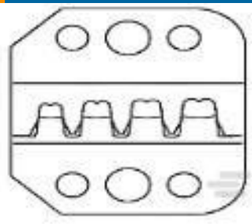
TE Part # 2203937-1
52 pos plug assy, 0.64 and 2.8



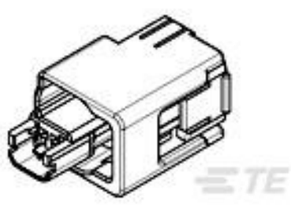
TE Part # 2203937-5
52 pos plug assy, 0.64 and 2.8



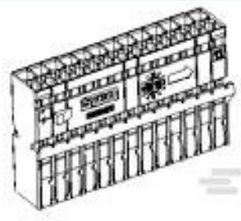
TE Part # 638394-1
ASSY,12P PLUG "A" KEY, W/O CPA



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



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



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

Also in the Series | AMP 0.64 Connector System



Automotive Connector Caps & Covers (20)



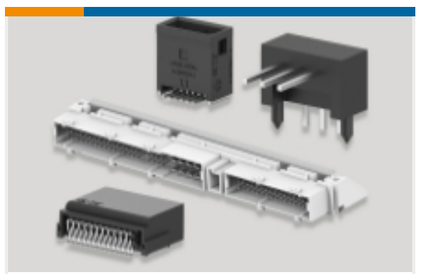
Automotive Housings(33)



Automotive Terminals(12)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(5)

Customers Also Bought

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

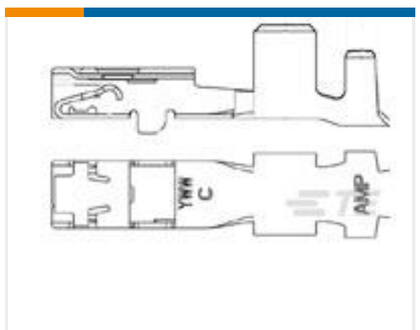
TE Part #1-1670921-1
5POS, MCON 1.2 LL REC SEALED

TE Part #1355081-1
MQS RETAINER

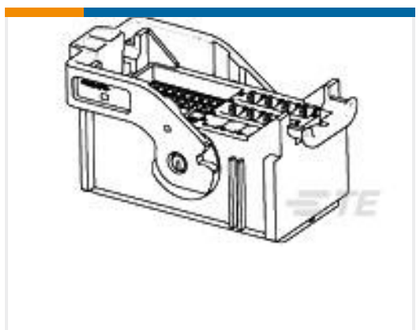
TE Part #1-1718644-1
3POS, MCON 1.2 LL REC SEALED



TE Part #927366-1
Timer Connector Housing



TE Part #1326030-3
2.8MM RECP,UNSEAL,14-16AWG



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



TE Part #638551-1
CONTACT,FEMALE,0.64MM,SN,18-20



TE Part #638551-2
CONTACT,FEMALE,0.64MM,SN,22

Documents

Product Drawings

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

English

CAD Files

Customer View Model

ENG_CVM_638551-3_B.3d_igs.zip

English

Customer View Model

ENG_CVM_638551-3_B.3d_stp.zip

English

Customer View Model

ENG_CVM_638551-3_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