638551-3 ✔ ACTIVE

AMP | AMP 0.64 Connector System

TE Internal #: 638551-3

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

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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>

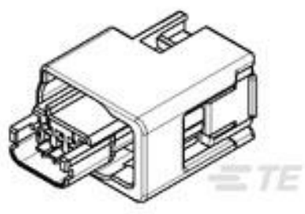
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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

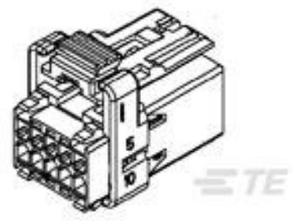
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

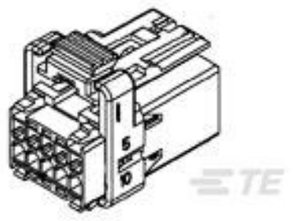
Compatible Parts



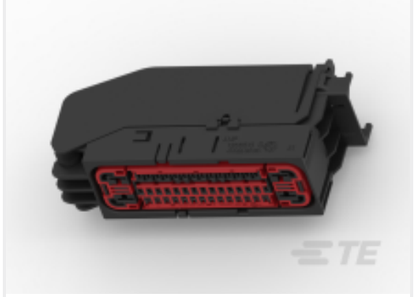
TE Part # 1438454-1
0.64MM,3 POSN SEALED PLUG ASSY



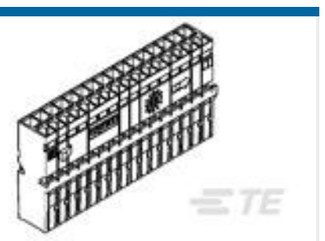
TE Part # 638392-1
.64MM PLUG ASSY,KEY A,W/O CPA



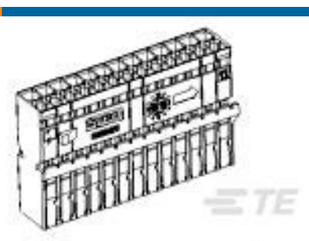
TE Part # 638393-1
10P PLUG ASSY A KEY W/O CPA



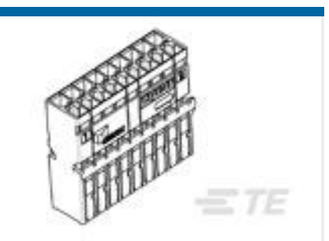
TE Part # 9-1355512-3
47 WAY ABS CONNECTOR



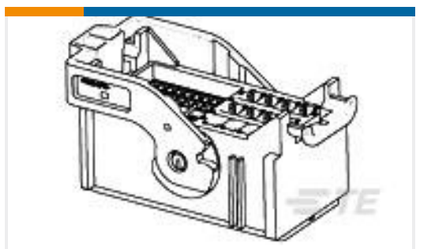
TE Part # 1326141-1
32WAY LAC RECEPTACLE CARRIER H



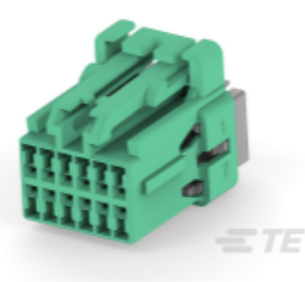
TE Part # 1326042-1
LAC CARRIER, 26 POS, 0.64MM, A KEY



TE Part # 1326133-1
RECEPTACLE HOUSING, 18 POSITIO



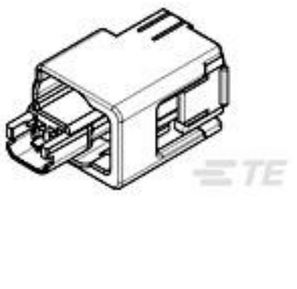
TE Part # 776932-1
52 pos plug assy, 0.64 and 2.8



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



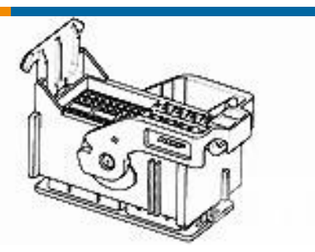
TE Part # 638393-5
10P PLUG ASSY A KEY -W/ CPA



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



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



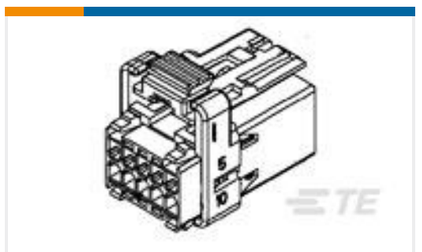
TE Part # 776932-3
52 pos plug, 0.64 and 2.80mm



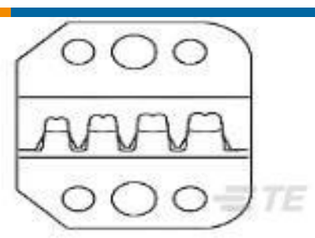
TE Part # 2203937-1
52 pos plug assy, 0.64 and 2.8



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



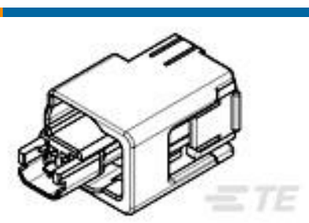
TE Part # 638394-1
ASSY,12P PLUG "A" KEY, W/O CPA



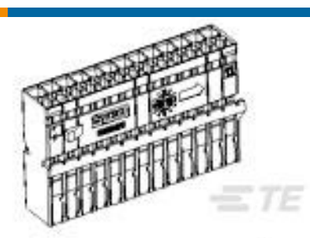
TE Part # 91338-2
PRO CRIMPER DIE, .64MM



TE Part # 1355512-2
ABS CONNECTOR ASSY 47P



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



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

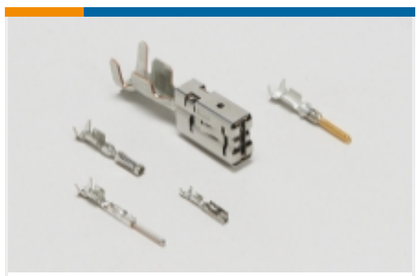
Also in the Series | AMP 0.64 Connector System



Automotive Connector Caps & Covers (17)



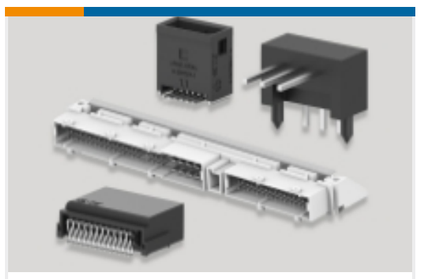
Automotive Housings(26)



Automotive Terminals(12)

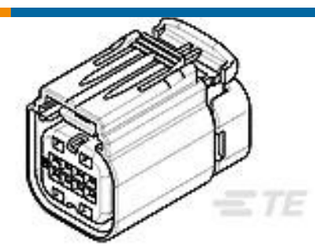


Insertion & Extraction Tools(1)



PCB Headers & Receptacles(5)

Customers Also Bought



TE Part #1411001-1
SEALED HARN ASSY W/O CPA KEY B



TE Part #1745000-3
8POS MQS REC



TE Part #1564880-1
GET 0.64,FEMALE TERMINAL 0.13M



TE Part #1326030-4
1.5/2.8 CONNECTOR SYSTEM, RECPT AND TAB



TE Part #284716-5
6 POS. REC. CONNECTOR FOR MT2



TE Part #2272431-3
1X6 GET UNSLD SIDE LATCH PLUG, KEY C



TE Part #1732175-1
2+5 Sealed Connector Ass'y



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



TE Part #1-1534096-2
MQS ABDECKKAPPE2X6P

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

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Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Instruction Sheet (U.S.)

English

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TE Connectivity:

1969656-1 2380312-2 917696-1 TE50BR39J SBCHE64R7K 1-962915-1 3631B101LL 650075-000 ROX05SJ18R 2-292161-3 CRGCQ2010J3K3 1743455-2 2377783-2 MPT100C18RF 141991-2 2310537-1 2834055-1 3430B2F51RTDF 1-794222-0 1903112-2 2005330-1 3-1393225-0 936348-1 CPF0402B37K4E1 SBCHE154R7K SMW73R0JT 1393431-1 175977-2 RH73H2A40MKTN U5254-000005-030PA