638652-2 ✔ ACTIVE

1.5/2.8 Connector System

TE Internal #: 638652-2

Automotive Terminals, Receptacle, Mating Tab Width 1.5 mm [.059 in], Tab Thickness .8 mm [.031 in], 20 - 18 AWG Wire Size, 1.5/2.8 Connector System

View on TE.com >

Terminals & Splices > Automotive Terminals > 1.5/2.8 CONNECTOR SYSTEM, RECPT AND TAB



Terminal Type: **Receptacle**

Mating Tab Width: **1.5 mm [.059 in]**

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

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

Wire Size: **20 - 18 AWG**

All 1.5/2.8 CONNECTOR SYSTEM, RECPT AND TAB (39)

Features

Product Type Features

Receptacle Style	180°
Sealable	No
Primary Locking Feature	Clean Body

Contact Features

Contact Size	1.5mm
Contact Fabrication	Stamped & Formed
Wire Contact Termination Area Plating Material	Tin
Typical Current Rating	16 A
Crimp Type	F-Crimp
Terminal Type	Receptacle
Mating Tab Width	1.5 mm[.059 in]
Mating Tab Thickness	.8 mm[.031 in]
Interface Plating	Tin (Sn)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Compatible Insulation Diameter Range	1.4 - 2.13 mm[.05 - .084 in]
Wire Size	.5 - .75 mm²
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

Industry Standards

Compatible With Agency/Standards Products	LV214

Packaging Features

Packaging Quantity	7000
Packaging Method	Reel

Other

Customer Preferred Contact	No
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 reviewed 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 # 213729-6
CPC RCPT ASSY,SZ 17-14,W/INSRT



TE Part # CAT-M8793-CH8172
MQS, CONNECTOR HOUSING



TE Part # 2050036-4
64P ECU PLUG CONNECTOR



TE Part # 2050036-1
64P ECU PLUG CONNECTOR



TE Part # 2137299-6
PACKAGE COMPONENT FOR 32P MIXE



TE Part # 2137299-7
PACKAGE COMPONENT FOR 32P MIXE



TE Part # 2137491-1
48 POS MIXED REC HSG GREY W/ C



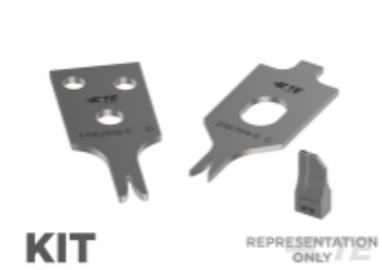
TE Part # 2266247-1
OCEAN_2.0_Applicator-S-070F080F-RSM



TE Part # 2266247-2
OCEAN_2.0_Applicator-S-070F080F-RSA



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



TE Part # 7-2266247-7
OCEAN_2.0_SPARE_PART_KIT-070F080F



TE Part # 91381-2
SDE DIE,1.5MM (20-18)



TE Part # 7-2266247-1
OCEAN_2.0_Applicator-S-070F080F



TE Part # 7-2266247-2
OCEAN_2.0_Applicator-S-070F080F



TE Part # 2137492-1
48 POS MIXED REC HSG BRN W/ CO



TE Part # 2050036-5
64P ECU PLUG CONNECTOR



TE Part # 2050836-1
PACKAGE COMPONENT FOR 65P MIXED PLUG HSG

TE Part # 9-2300050-9
32POS MIXED RECEPTACLE HOUSING

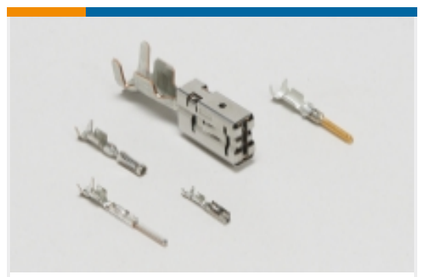
Also in the Series | 1.5/2.8 Connector System



Automotive Connector Caps & Covers (4)



Automotive Housings(27)



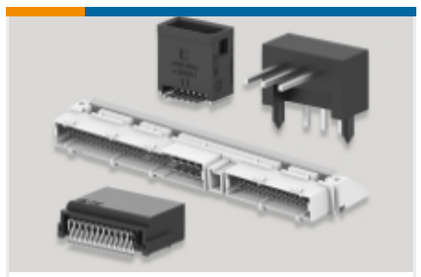
Automotive Terminals(50)



Insertion & Extraction Tools(1)



Other Automotive Connector Accessories(1)



PCB Headers & Receptacles(1)

Customers Also Bought

TE Part # 2050036-4
64P ECU PLUG CONNECTOR



TE Part # 1670108-1
BLIND PLUG FEMALE 1.5



TE Part # 1719668-1
2.LOCK REC HSG



TE Part # 2109435-2
060/110/250 LIF 36P PLUG ASSY



TE Part # 2112228-1
PROTECTION CAP,TE



TE Part # 2338360-1
2P ECONOSEAL RECEPTACLE ASSY



TE Part # 2822352-2
070 TYPE RUBBER PLUG



TE Part # 9-2363287-9
48 POS MIXED REC HSG BN



TE Part # 2050986-1
REM0.64 Terminal

TE Part # 2338363-1
2P ECONOSEAL RECEPTACLE DBL

Documents

Product Drawings

RECEPT,1.5MM,TIN 18-20AWG RD=1

English

CAD Files

Customer View Model

ENG_CVM_CVM_638652-2_D.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_638652-2_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_638652-2_D.3d_stp.zip

English

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Product Specifications

Application Specification

English