



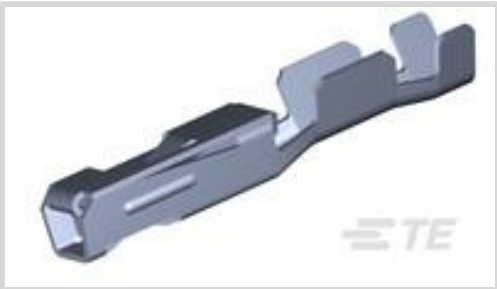
1.5/2.8 Connector System

TE Internal #: 638652-2

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, Automotive Terminals

[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 (37)

Features

Industry Standards

Compatible With Agency/Standards Products	LV214
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Operation/Application

Compatible With Wire Base Material	Copper
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Packaging Features

Packaging Method	Reel
Packaging Quantity	7000

Usage Conditions

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

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Product Type Features

Receptacle Style	180°
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Sealable	No
Primary Locking Feature	Clean Body

Dimensions

Compatible Insulation Diameter Range	1.4 – 2.13 mm [.05 – .084 in]
Wire Size	.5 – .75 mm ²
Wire Size Search	.5 mm ² , .75 mm ² , .6 mm ²

Other

Customer Preferred Contact	No
Terminal Transmits	0 – 24 A (Low Power)
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Contact Features

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

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 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 # 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 # 2421112-5
64P ECU PLUG CONNECTOR

TE Part # 2421112-6
64P ECU PLUG CONNECTOR

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

TE Part # 2455296-1
PACKAGE COMPONENT FOR 32P MIXE

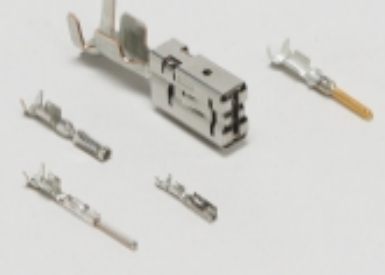
Also in the Series | 1.5/2.8 Connector System



Automotive Connector Caps & Covers (3)



Automotive Housings(27)



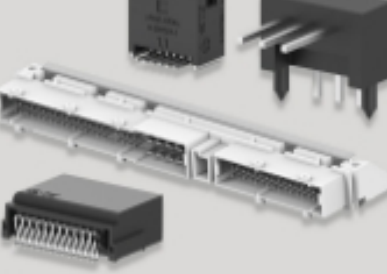
Automotive Terminals(48)



Insertion & Extraction Tools(1)



Other Automotive Connector Accessories(1)



PCB Headers & Receptacles(1)

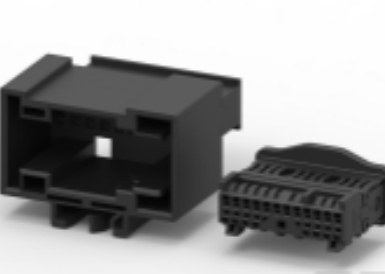
Customers Also Bought



TE Part #1394871-1
MQS DICHTSTOPFEN



TE Part #1554461-2
33POS,1.0 SERIES,REC HSG ASSY,SLD



TE Part #2137489-1
MQS, CONNECTOR HOUSING



TE Part #2298622-1
24POS,HYBRID,REC HSG ASSY, UNSLD,COD A





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 #2050836-2
PACKAGE COMPONENT FOR 65P MIXED PLUG HSG

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

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

Application Specification

English