

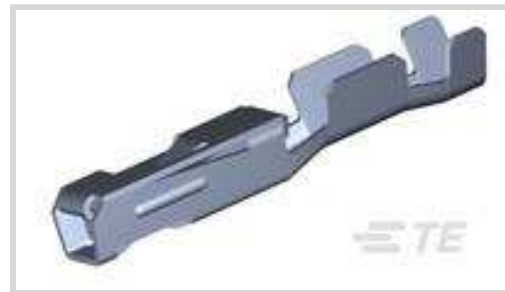
1.5/2.8 Connector System

TE Internal #: 638652-2

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

[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 \(40\)](#)**Features****Product Type Features**

Receptacle Style	180°
Sealable	No
Primary Locking Feature	Clean Body

Contact Features

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)
Contact Termination Area Plating Material	Tin (Sn)

Termination Features

Termination Method to Wire & Cable	Crimp
Product Terminates To	Wire

Dimensions

Wire Size	.5 – .75 mm ²
Wire Size Search	18 AWG, 19 AWG, 20 AWG



Wire Insulation Diameter	1.4 – 2.13 mm [.05 – .084 in]
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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
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Industry Standards

Agency/Standard	LV214
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Packaging Features

Packaging Method	Reel
Packaging Quantity	7000

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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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

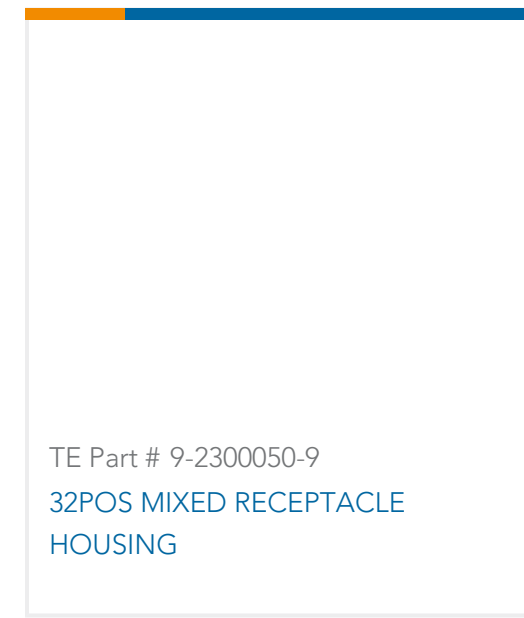
Product Compliance Disclaimer

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

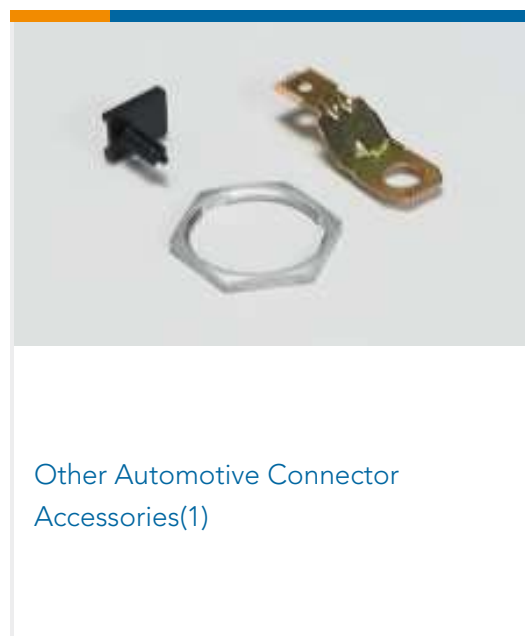
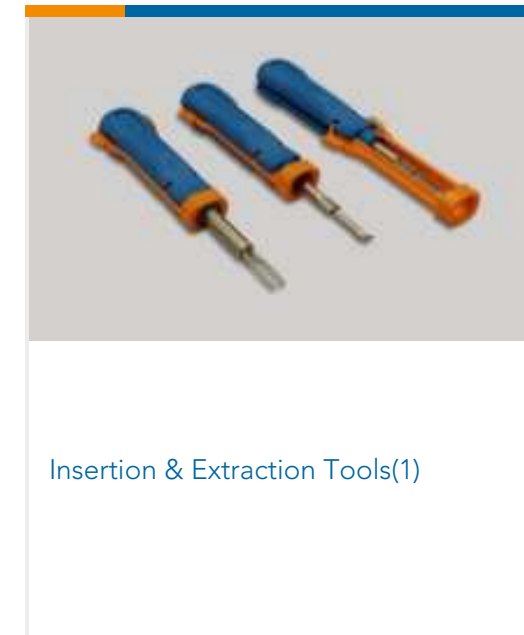
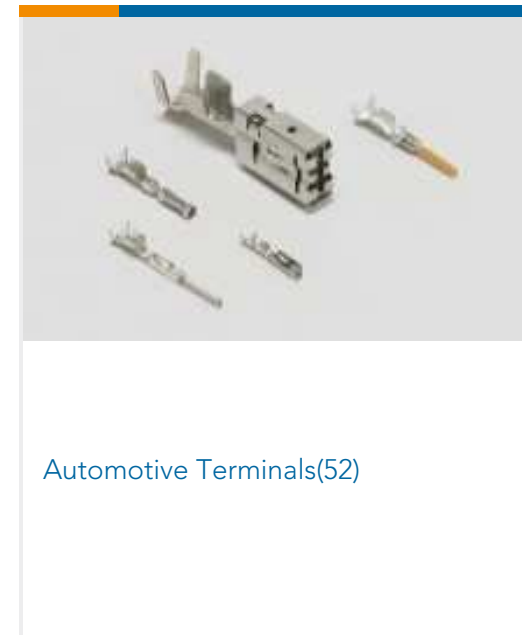
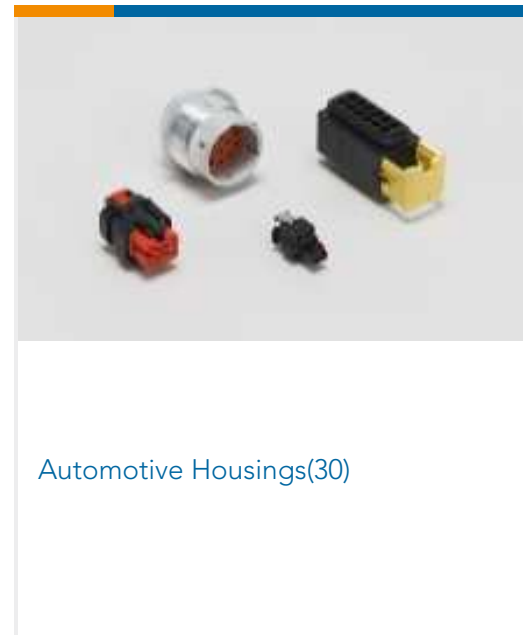
EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical 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

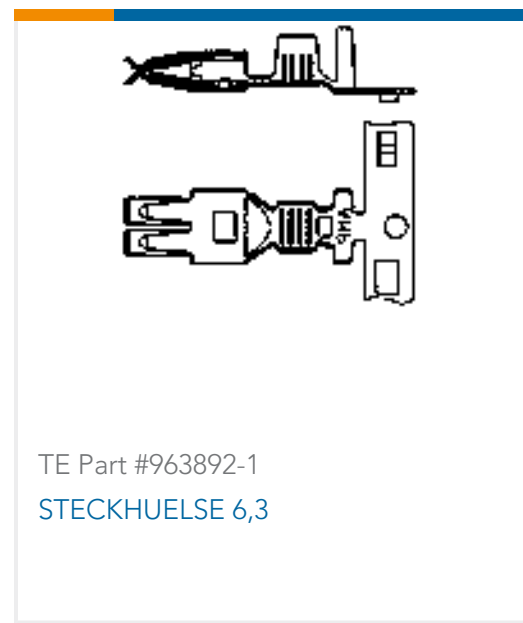
 <p>TE Part # 213729-6 CPC RCPT ASSY, SZ 17-14, W/INSRT</p>	 <p>TE Part # 2305570-1 TERMINAL CUTTER, SIDE FEED</p>	 <p>TE Part # CAT-M8793-CH8172 MQS, CONNECTOR HOUSING</p>	 <p>TE Part # 2137492-1 48 POS MIXED REC HSG BRN W/ CO</p>
 <p>TE Part # 2050036-4 64P ECU PLUG CONNECTOR</p>	 <p>TE Part # 2050036-1 64P ECU PLUG CONNECTOR</p>	 <p>TE Part # 2-2266247-1 OCEAN_2.0_Applicator-S-070F080F</p>	 <p>TE Part # 2-2266247-2 OCEAN_2.0_Applicator-S-070F080F</p>
 <p>TE Part # 2050036-5 64P ECU PLUG CONNECTOR</p>	 <p>TE Part # 2137299-6 PACKAGE COMPONENT FOR 32P MIXE</p>	 <p>TE Part # 2137299-7 PACKAGE COMPONENT FOR 32P MIXE</p>	 <p>TE Part # 2137491-1 48 POS MIXED REC HSG GREY W/ C</p>
 <p>TE Part # 2266247-1 OCEAN_2.0_Applicator-S-070F080F</p>	 <p>TE Part # 2266247-2 OCEAN_2.0_Applicator-S-070F080F</p>	 <p>TE Part # 7-2266247-1 OCEAN_2.0_Applicator-S-070F080F</p>	 <p>TE Part # 7-2266247-2 OCEAN_2.0_Applicator-S-070F080F</p>

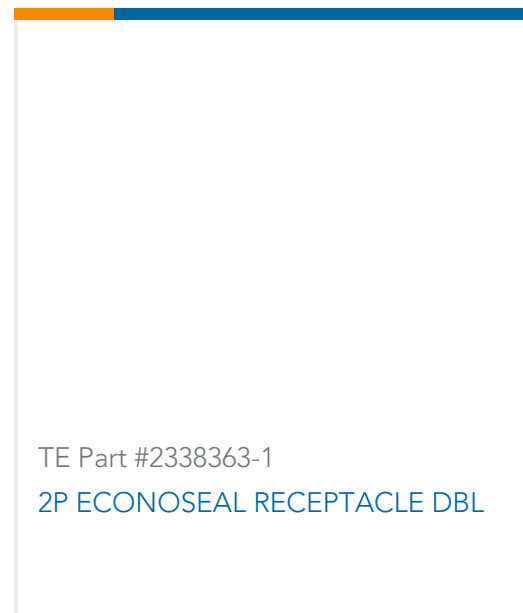
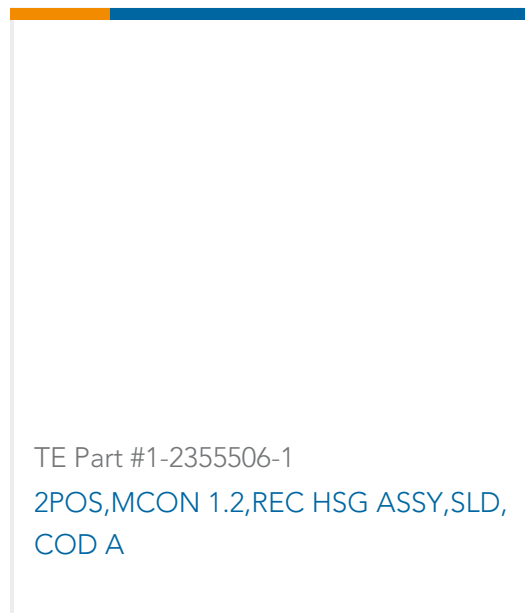


Also in the Series | 1.5/2.8 Connector System



Customers Also Bought





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

Product Environmental Compliance

[Product Compliance](#)

English

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English