

638652-2 ✓ ACTIVE

1.5/2.8 Connector System

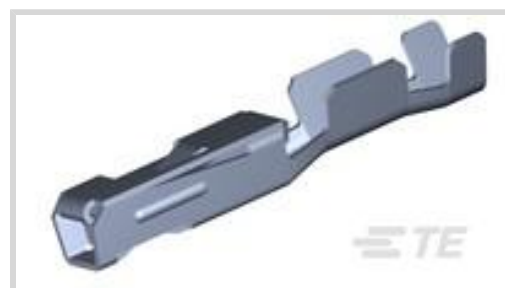
TE Internal #: 638652-2

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 \(39\)](#)

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 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
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Industry Standards

Compatible With Agency/Standards Products	LV214
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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>](#)

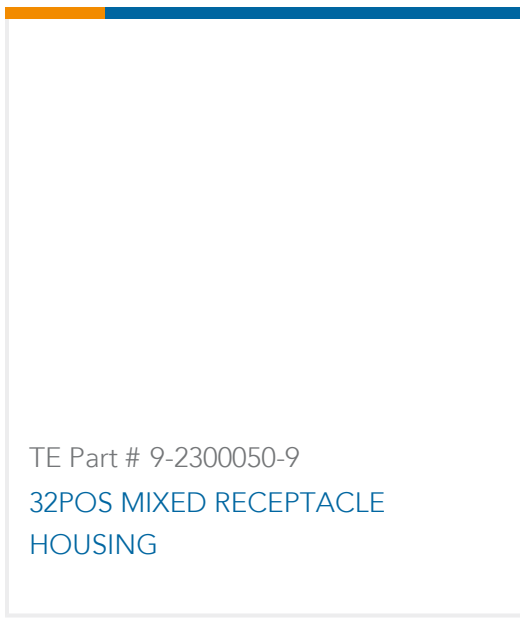
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does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

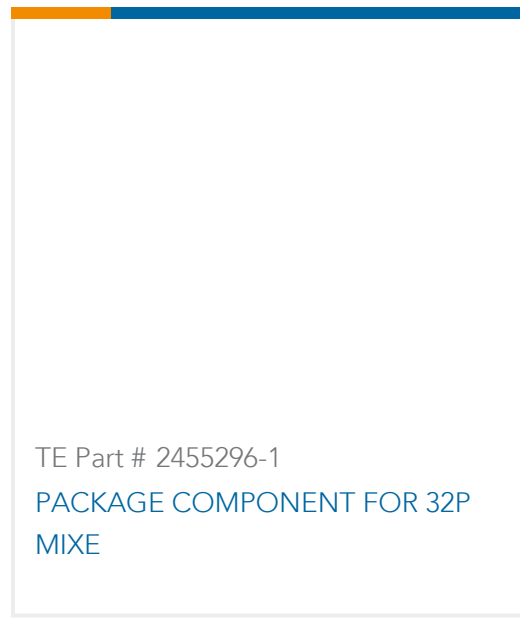
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

 <p>TE Part # 213729-6 CPC RCPT ASSY, SZ 17-14, W/INSRT</p>	 <p>TE Part # CAT-M8793-CH8172 MOS, CONNECTOR HOUSING</p>	 <p>TE Part # 2050036-4 64P ECU PLUG CONNECTOR</p>	 <p>TE Part # 2050036-1 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-RSM</p>
 <p>TE Part # 2266247-2 OCEAN_2.0_Applicator-S-070F080F-RSA</p>	 <p>TE Part # 2305570-1 Strip Terminal Cutter-Side Feed-No Crimp</p>	 <p>TE Part # 7-2266247-7 OCEAN_2.0_SPARE_PART_KIT-070F080F</p>	 <p>TE Part # 2137492-1 48 POS MIXED REC HSG BRN W/ CO</p>
 <p>TE Part # 2050036-5 64P ECU PLUG CONNECTOR</p>	 <p>TE Part # 2050836-1 PACKAGE COMPONENT FOR 65P MIXED PLUG HSG</p>	 <p>TE Part # 2421112-5 64P ECU PLUG CONNECTOR</p>	 <p>TE Part # 2421112-6 64P ECU PLUG CONNECTOR</p>



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

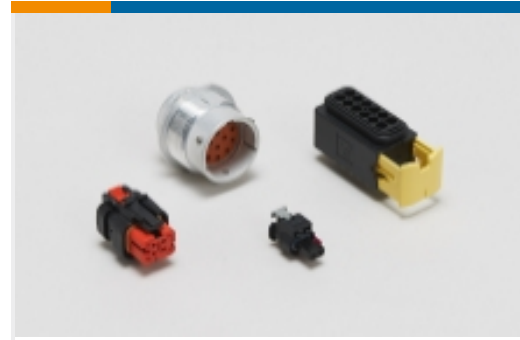


TE Part # 2455296-1
PACKAGE COMPONENT FOR 32P
MIXE

Also in the Series | 1.5/2.8 Connector System



Automotive Connector Caps & Covers
(4)



Automotive Housings(27)



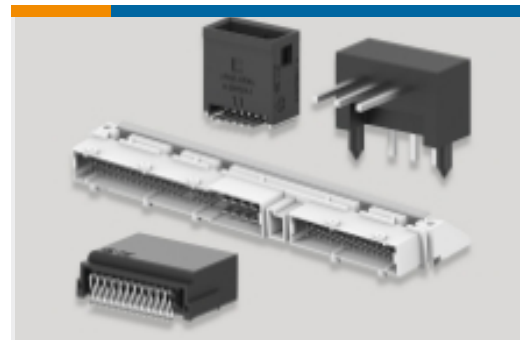
Automotive Terminals(50)



Insertion & Extraction Tools(1)



Other Automotive Connector
Accessories(1)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #2137489-1
MQS, CONNECTOR HOUSING



TE Part #1813271-3
SEALED MT2 PLUG HOUSING
ASSEMBLY



TE Part #2112228-1
PROTECTION CAP,TE



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



TE Part #2338360-1
2P ECONOSEAL RECEPTACLE ASSY



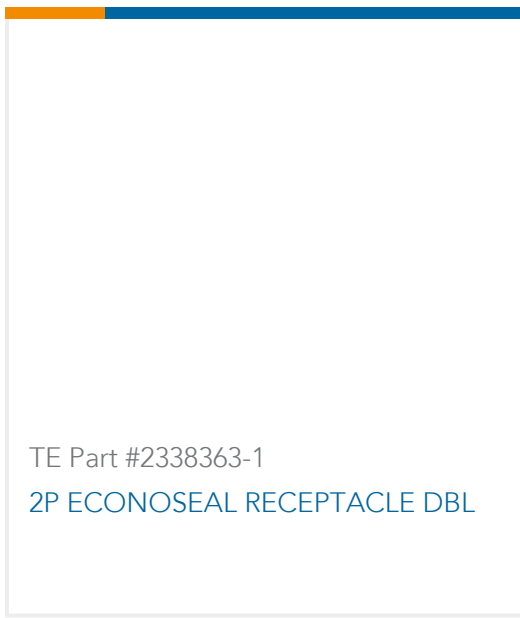
TE Part #9-2363287-9
48 POS MIXED REC HSG BN



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



TE Part #2316763-1
48POS, HYBRID, REC HSG ASSY,
UNSLD, COD A



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