



1.5/2.8 Connector System

TE Internal #: 638652-2
Receptacle Terminal, 20 – 18 AWG, .5 – .75 mm² Wire, 1.5 mm [.059 in] Tab Width, Tin (Sn), .8 mm [.031 in] Tab Thickness, 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**
Wire Size: **20 – 18 AWG**
Mating Tab Width: **1.5 mm [.059 in]**
Interface Plating: **Tin (Sn)**

[All 1.5/2.8 CONNECTOR SYSTEM, RECPT AND TAB \(36\)](#)

Features

Product Type Features

Receptacle Style	180°
Primary Locking Feature	Clean Body
Sealable	No

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]
Interface Plating	Tin (Sn)
Mating Tab Thickness	.8 mm[.031 in]

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	20 – 18 AWG
Wire Size Search	.5 mm², .6 mm², .75 mm²

Usage Conditions

Insulation Option	Uninsulated
Operating Temperature (Max)	125 °C[212 °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 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 2025 (247) Candidate List Declared Against: JAN 2025 (247) 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 # 2455296-1 PACKAGE COMPONENT FOR 32P MIXE	TE Part # 2266247-1 OCEAN_2.0_Applicator-S-070F080F-RSM	TE Part # 2421112-5 64P ECU PLUG CONNECTOR	TE Part # 2137299-6 PACKAGE COMPONENT FOR 32P MIXE
TE Part # 9-2300050-9 32POS MIXED RECEPTACLE HOUSING	TE Part # 2050036-5 64P ECU PLUG CONNECTOR	TE Part # 2266247-2 OCEAN_2.0_Applicator-S-070F080F-RSA	TE Part # 2050036-1 64P ECU PLUG CONNECTOR
TE Part # 7-2266247-7 OCEAN_2.0_SPARE_PART_KIT-070F080F	TE Part # 2137491-1 48 POS MIXED REC HSG GREY W/ C	TE Part # 2137299-7 PACKAGE COMPONENT FOR 32P MIXE	TE Part # 2137492-1 48 POS MIXED REC HSG BRN W/ CO
TE Part # 213729-6 CPC RCPT ASSY,SZ 17-14,W/INSRT	TE Part # 2050036-4 64P ECU PLUG CONNECTOR	TE Part # CAT-M8793-CH8172 MQS, CONNECTOR HOUSING	TE Part # 2421112-6 64P ECU PLUG CONNECTOR



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

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

Also in the Series | 1.5/2.8 Connector System

Automotive Connector Caps & Covers
(3)

Automotive Headers(1)

Automotive Housings(24)

Automotive Terminals(47)

Insertion & Extraction Tools(1)

PCB Headers & Receptacles(1)

Wire-to-Board Headers & Receptacles
(1)

Customers Also Bought

TE Part #2050036-4
64P ECU PLUG CONNECTOR

TE Part #2112228-1
PROTECTION CAP,TE

TE Part #2338360-1
2P ECONOSEAL RECEPTACLE ASSY

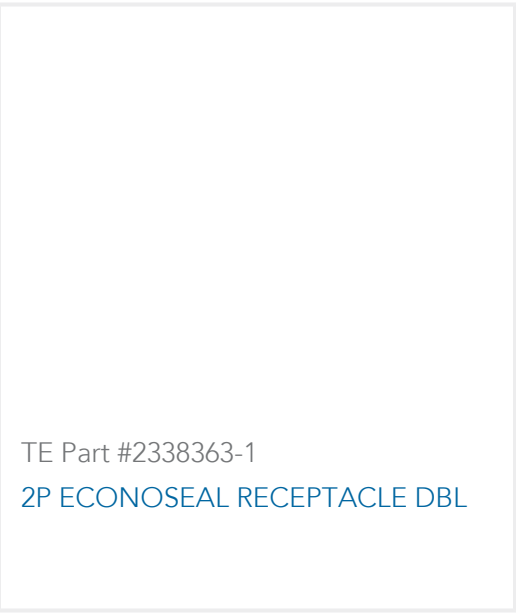
TE Part #1394871-1
MQS DICHTSTOPFEN

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

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

TE Part #2298671-1
20POS,HYBRID,REC HSG ASSY,
UNSLD,COD A

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



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