



Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready Mixed (Signal and Power) Connectors



Nominal Voltage Architecture: 12 V, 24 V, 48 V

Connector & Housing Type: **Housing for Male Terminals**

Number of Positions: 7

Sealable: **Yes**

Operating Temperature Range: -40 – 140 °C [-40 – 284 °F]

[All 48V Ready Mixed \(Signal and Power\) Connectors \(31\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Primary Locking Feature	On the Terminal
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	7
Number of Rows	2

Electrical Characteristics

Operating Voltage	60 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	90 °, 180 °
Primary Product Color	Black



Connector & Keying Code	A
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Contact Features

Contact Size	1.6mm, 2.8mm
Contact Type	Tab
Mating Tab Width	1.6 mm, 2.8 mm[.063 in][.11 in]
Contact Current Rating (Max)	40 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF30
Centerline (Pitch)	4 mm, 6 mm[.157 in][.236 in]

Dimensions

Row-to-Row Spacing	5.6 mm, 6.5 mm[.22 in][.256 in]
Product Width	48.1 mm[1.894 in]
Product Length	42.5 mm[1.673 in]
Connector Height	39.8 mm[1.567 in]

Usage Conditions

Operating Temperature Range	-40 – 140 °C[-40 – 284 °F]
Operating Temperature (Max)	140 °C[284 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	250
Packaging Method	Box

Other



Serviceable	Yes
Connector Position Assurance Capable	No

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not applicable 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 # 2-964269-2
TAB A 1.6x0.6 CONTACT CF SWS Ag



TE Part # 3-1579018-8
UNLOCK TOOL



TE Part # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)



TE Part # 1670720-8
SLIDE,TAB HSG GROUP C



TE Part # CAT-H3399-CH8172
Heavy Duty Sealed Connector Series
Housings



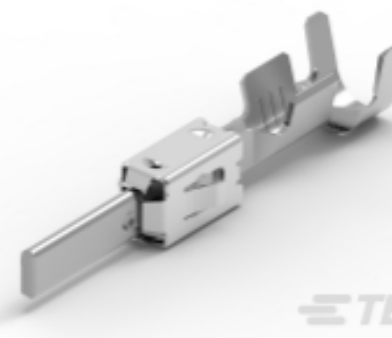
TE Part # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



TE Part # CAT-H3399-SL34
Heavy Duty Sealed Connector Series
Fixing Slides



TE Part # 1-1418480-1
7 POS MIXED REC HSG CODA



TE Part # 2-962916-3
TAB 2.8x0.8 CONTACT CF SWS Au



TE Part # 964972-1
EINZELLEITERDICHTNG



TE Part # 2112293-1
PROTECTION CAP, GROUP C, ASSY



TE Part # CAT-H3399-B128
Heavy Duty Sealed Connector Series
Backshells

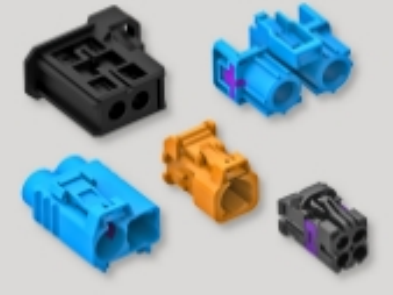
Also in the Series | Heavy Duty Sealed Connector Series



Automotive Connector Caps & Covers
(25)



Automotive Housings(215)



Data Connectivity Housings(10)



Other Automotive Connector
Accessories(36)

Customers Also Bought



TE Part #K1156082
SYMBOL FOIL ES - NOT-HALT
/EMERGENCY STOP



TE Part #CAT-J41-DDRC
DEUTSCH DT Receptacle Connectors



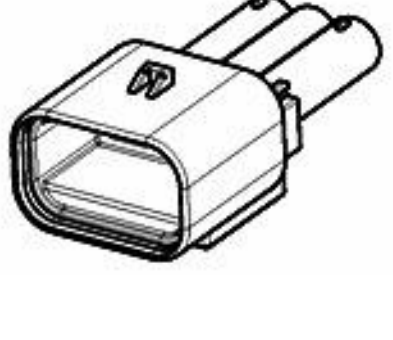
TE Part #K1162993
Push button switch TS-211-RT132



TE Part #K1124808
Battery Disconnecter 35-524-100-R



TE Part #341001-3
PL 250 REC TERMINAL 13-11 TPBR LP



TE Part #936292-2
090 SLD 3P CAP ASSY BLACK



TE Part #PF0001822
P011NT_5K1% 4.7X_68 2N



TE Part #5-2435322-1
SWS,AMP MCP 2.8,CVTY DIA,5,WHT



TE Part #1-1102291-1
[HB.24.AG-VS](#)

Documents

Product Drawings

[7POS, MIXED,TAB HSG,ASSY,CODA](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1670214-1_J.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1670214-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1670214-1_J.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[HDSCS Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English