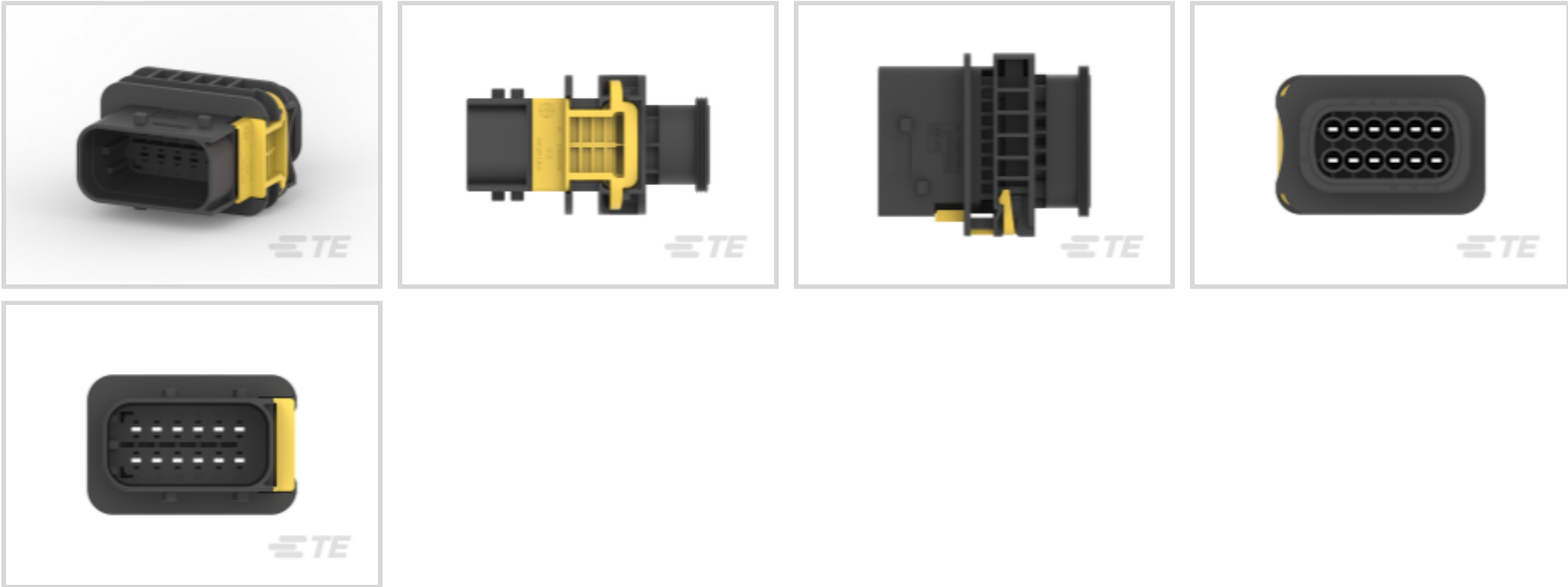




Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready 1.5mm Sealed Connectors



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

Connector & Housing Type: Housing for Male Terminals

Number of Positions: 12

Sealable: Yes

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

[All 48V Ready 1.5mm Sealed Connectors \(19\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
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	12
Number of Rows	2

Electrical Characteristics

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

Cable Exit Angle	90 °, 180 °
Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	1.6mm
Contact Type	Tab
Mating Tab Width	1.6 mm[.063 in]
Contact Current Rating (Max)	10 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[.157 in]

Dimensions

Row-to-Row Spacing	6.9 mm[.272 in]
Product Width	27 mm[1.063 in]
Product Length	40.6 mm[1.598 in]
Connector Height	47.1 mm[1.854 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	280
Packaging Method	Carton

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 # CAT-T4827-T273
TIMER, RECEPTACLE AND TAB



TE Part # 1-1703639-1
12POS,AMP MCP1.5K,REC HSG,ASSY



TE Part # 2112295-1
PROTECTION CAP, GROUP D, ASSY



TE Part # 964972-1
EINZELLEITERDICHTNG



TE Part # 2-964269-2
TAB A 1.6x0.6 CONTACT CF SWS Ag



TE Part # 3-1579018-8
UNLOCK TOOL



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

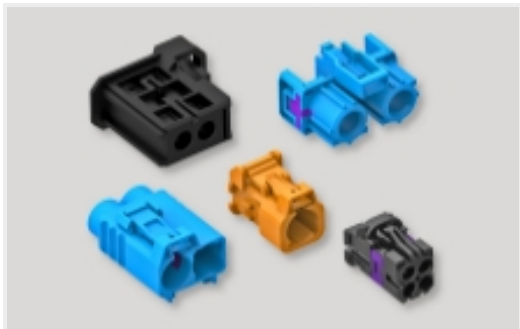
Also in the Series | Heavy Duty Sealed Connector Series



Automotive Connector Caps & Covers
(25)



Automotive Housings(215)

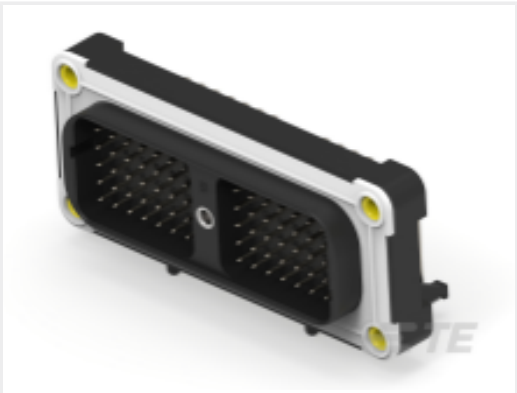


Data Connectivity Housings(10)



Other Automotive Connector
Accessories(36)

Customers Also Bought



TE Part #DRC13-70PB-B027
HDR, 70P, BLK, RA, M5, FLG, NI/CU, B



TE Part #CSI-UFFR-200-UFFR
U.FL/MHF1 to U.FL/MHF1 200mm 1.13
OD



TE Part #DRC16-70SBE-P013
PLG, 70P, BLK, E, SEAL BOND, B



TE Part #CSI-UFFR-100-UFFR
U.FL/MHF1 to U.FL/MHF1 100mm 1.13
OD



TE Part #963531-1
BLINDSTOPFEN



TE Part #964269-2
TAB A 1.6x0.6 CONTACT CF SWS Sn



TE Part #964972-1
EINZELLEITERDICHTNG



TE Part #2-1393224-6
RYA51005



TE Part #1-1703639-1
12POS,AMP MCP1.5K,REC HSG,ASSY



TE Part #2-1703841-1
2POS,TAB 2.8X0.8,TAB HSG,ASSY

Documents

Product Drawings

12POS,TAB 1.6X0.6,TAB HSG,ASSY

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1564414-1_G.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1564414-1_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1564414-1_G.3d_stp.zip

English

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

Datasheets & Catalog Pages

Heavy Duty Sealed Connector Series

English

HDSCS Catalog

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English