



Automotive Parts > Automotive Connectors > Automotive Housings > 48V Ready 2.8mm Sealed Connectors



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

Connector & Housing Type: Housing for Female Terminals

Number of Positions: 8

Sealable: Yes

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

[All 48V Ready 2.8mm Sealed Connectors \(27\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female 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	8
Number of Rows	2

Electrical Characteristics

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

Body Features

Cable Exit Angle	180 °
Primary Product Color	Black



Connector & Keying Code	A
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Contact Features

Contact Size	1.5K
Contact Type	Receptacle
Mating Tab Width	1.5 mm[.059 in]
Contact Current Rating (Max)	20 A

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PBT GF
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Row-to-Row Spacing	7.6 mm, 8.6 mm, 9 mm[.299 in][.339 in][.354 in]
Product Width	25.7 mm[1.012 in]
Product Length	44 mm[1.732 in]
Connector Height	31.25 mm[1.23 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	380
Packaging Method	Package



Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

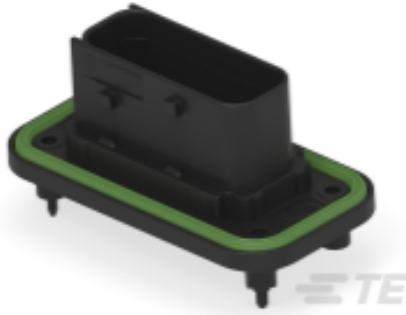
For compliance documentation, visit the product page on TE.com>

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-J4A-HDSCH
Heavy Duty Sealed Connector Headers



TE Part # CAT-AM705-T273
AMP MCP, RECEPTACLE AND TAB



TE Part # 3-1579018-8
UNLOCK TOOL



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





TE Part # 2112301-1
PROTECTION CAP, FOR REC.HSG GROUP C



TE Part # 964972-1
EINZELLEITERDICHTNG



TE Part # 1-1564416-1
8POS, TAB 1.6X0.6, TAB HSG, ASSY



TE Part # 1-1564512-1
8POS, TAB 1.6X0.6, TAB HSG, ASSY

Also in the Series

Heavy Duty Sealed Connector Series



Automotive Housings(215)



Automotive Seals & Cavity Plugs(5)



Other Automotive Connector Accessories(36)

Customers Also Bought



TE Part #T2020012005-000
DDF-0.5



TE Part #CAT-N10-RC4815
48V Ready 1.5mm Sealed Connectors



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



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



TE Part #4-1924067-1
2POS, MCON 1.2 CB REC 2p TL SEALED



TE Part #2360002-1
REC CONN CVR ASSY, 96POS, AMP MCP 2.8

Documents

Product Drawings

8POS,AMP MCP1.5K,REC. HSG,CODA

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1418479-1_J.2d_dxf.zip



English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1418479-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1418479-1_J.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[Heavy Duty Sealed Connector Series](#)

English

[HDSCS Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English