

2-1703818-1 ✓ ACTIVE

AMP | Heavy Duty Sealed Connector Series

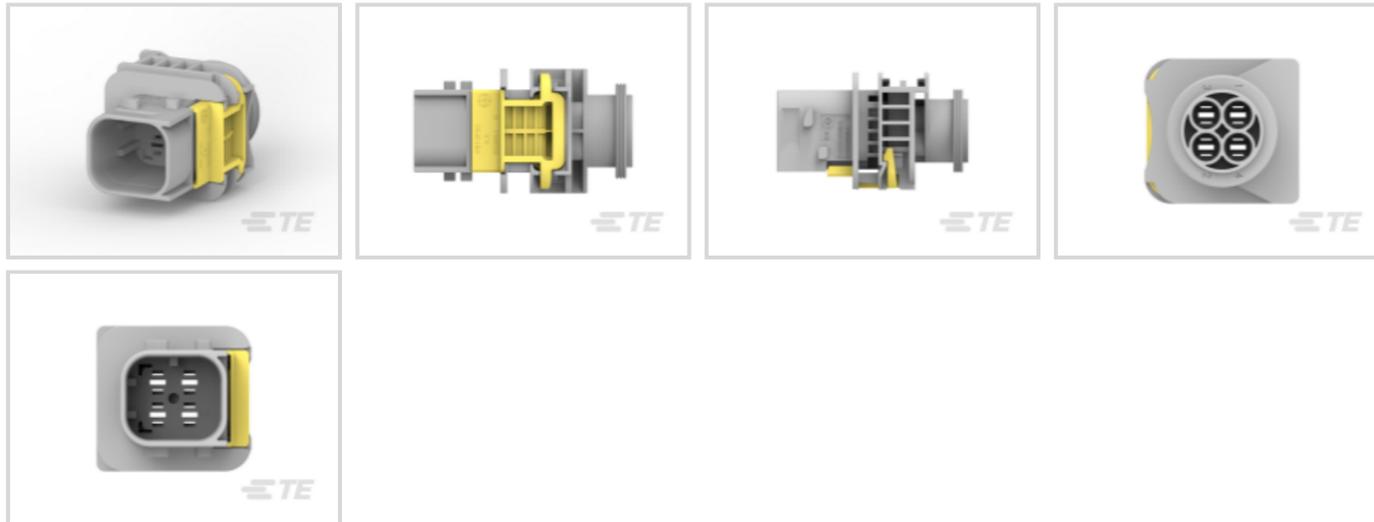
TE Internal #: 2-1703818-1

12 V / 24 V / 48 V, 4 Position, Automotive Housing for Male
Terminals, Wire-to-Wire, 6 mm [.236 in] Centerline, Heavy Duty
Sealed Connector Series

[View on TE.com >](#)



Automotive Parts > Automotive Connectors > Automotive Housings > Heavy Duty Sealed Connector Series Housings



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

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

Number of Positions: 4

Sealable: **Yes**

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

[All Heavy Duty Sealed Connector Series Housings \(176\)](#)

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	4
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	Gray
Connector & Keying Code	B

Contact Features

Contact Size	2.8mm
Contact Type	Tab
Mating Tab Width	2.8 mm[.11 in]
Contact Current Rating (Max)	30 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)	6 mm[.236 in]

Dimensions

Row-to-Row Spacing	1.5 mm[.059 in]
Product Width	48.1 mm[1.894 in]
Product Length	29.1 mm[1.146 in]
Connector Height	27 mm[1.062 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	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 # 2-962916-3
TAB 2.8x0.8 CONTACT CF SWS Au



TE Part # 2112291-1
PROTECTION CAP, GROUP B, ASSY



TE Part # 965786-1
ABDECKKAPPE 180GRD



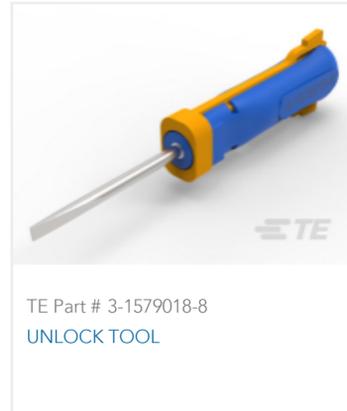
TE Part # CAT-H3399-CH8172
Heavy Duty Sealed Connector Series Housings



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



TE Part # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI

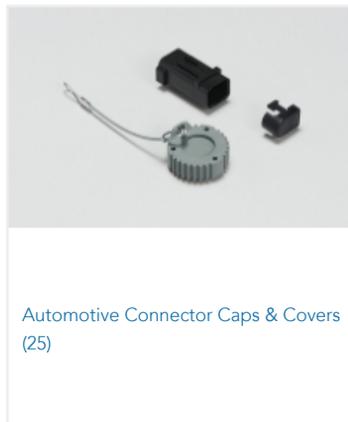


TE Part # 3-1579018-8
UNLOCK TOOL

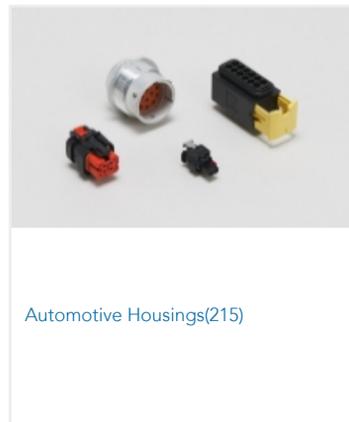


TE Part # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)

Also in the Series | **Heavy Duty Sealed Connector Series**



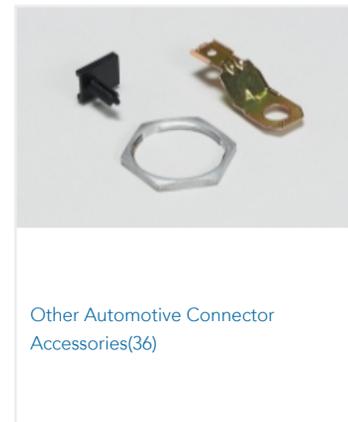
Automotive Connector Caps & Covers (25)



Automotive Housings(215)



Data Connectivity Housings(10)



Other Automotive Connector Accessories(36)

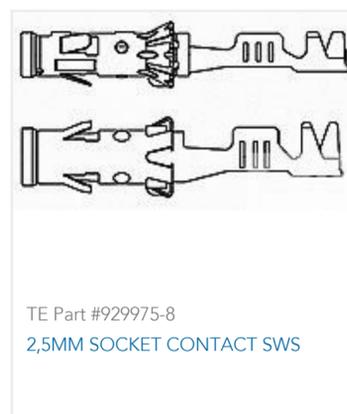
Customers Also Bought



TE Part #2-160978-2
CABLE TY 360X4,8BLA



TE Part #327748
TAB,PIDG 16-14



TE Part #929975-8
2,5MM SOCKET CONTACT SWS



TE Part #965786-1
ABDECKKAPPE 180GRD



TE Part #4-1393306-6
VF711F11S01/X836



TE Part #1418919-1
MULTI CORE CABLE ADAPTER 90 DEGREE



TE Part #1534789-1
ADAPTER 90DEG 4/7POS



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



Documents

Product Drawings

[4POS,TAB 2.8X0.8,TAB HSG,ASSY,](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_2-1703818-1_H.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_2-1703818-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2-1703818-1_H.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