

1-1703818-1 ✓ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1703818-1

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 > 48V Ready 2.8mm Sealed Connectors



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

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
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	2.8mm
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Contact Type	Tab
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Mating Tab Width	2.8 mm[.11 in]
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Contact Current Rating (Max)	30 A
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Mechanical Attachment

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

Housing Material	PBT GF30
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Centerline (Pitch)	6 mm[.236 in]
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Dimensions

Row-to-Row Spacing	6.45 mm[.254 in]
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Product Width	48.1 mm[1.894 in]
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Product Length	29.1 mm[1.146 in]
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Connector Height	27 mm[1.062 in]
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Usage Conditions

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

Circuit Application	Power
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Industry Standards

IP Rating	IP67
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UL Flammability Rating	UL 94V-0
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Packaging Features

Packaging Quantity	380
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Packaging Method	Carton
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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 # 3-1579018-8
UNLOCK TOOL

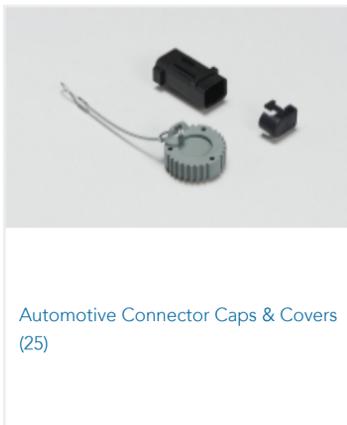


TE Part # 828905-1
SINGLE-WIRE-SEAL(5MM HOLE)

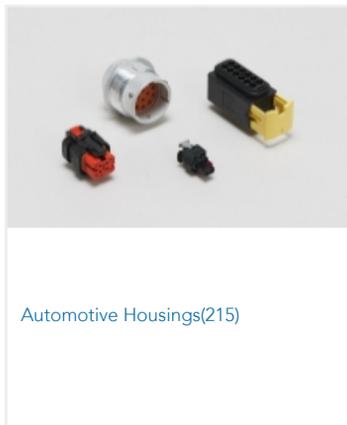


TE Part # 1-1418390-1
4 POS AMP MCP 2.8 REC HSG

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



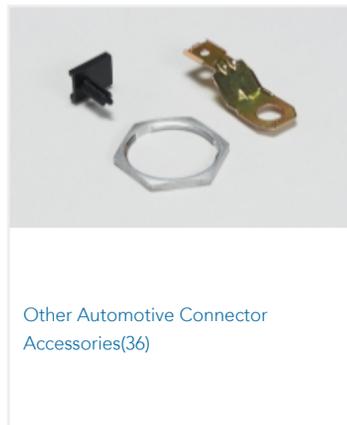
Automotive Connector Caps & Covers
(25)



Automotive Housings(215)



Data Connectivity Housings(10)



Other Automotive Connector
Accessories(36)

Customers Also Bought



TE Part #K1154538
Rotary Switch DS-213-SW1 915



TE Part #965786-1
ABDECKKAPPE 180GRD



TE Part #CAT-N10-RC4828
48V Ready 2.8mm Sealed Connectors



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



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



TE Part #1-1703773-1
6POS,TAB 1.6X0.6,PIN HSG,ASSY,



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



Documents

Product Drawings

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

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1703818-1_H.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1703818-1_H.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1703818-1_H.3d_stp.zip](#)

English

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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