1-1670730-2 ✔ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1670730-2

12 V / 24 V / 48 V, 2 Position, Automotive Housing for Male Terminals, Wire-to-Wire, 4 mm [.157 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: **2**

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	Integrated in Housing
Connector System	Wire-to-Wire
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Positions	2
Number of Rows	1

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

Contact Features

Contact Size	1.6mm
Contact Type	Tab
Mating Tab Width	1.6 mm[.063 in]

Mechanical Attachment

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	Glass-Filled PBT
Centerline (Pitch)	4 mm[.157 in]

Dimensions

Product Width	47.05 mm[1.852 in]
Product Length	27.6 mm[1.087 in]
Connector Height	19 mm[.748 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	1
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 reviewed 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-H3399-B128
Heavy Duty Sealed Connector Series Backshells



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



TE Part # 1670365-2
COVER MIXED, 180, 2-3POS, NW4.5



TE Part # 1-1418448-2
3POS MCP1.5k REC HSG CO MID POS CLOSED



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



TE Part # CAT-N05-AT16
1.6 mm Automation Ready Terminals for Automotive Wire Harness Production and Advanced Assembly Automation



TE Part # 964972-1
EINZELLEITERDICHTNG



TE Part # 2306960-1
3POS,AMP MCP 1.5K,REC HSG ASSY, SLD,COD A



TE Part # 2112289-1
PROTECTION CAP,GROUP A,ASSY

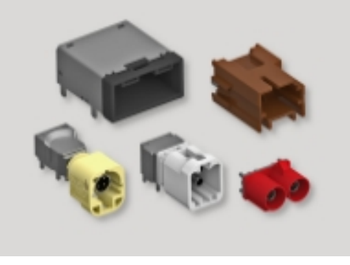
Also in the Series | Heavy Duty Sealed Connector Series



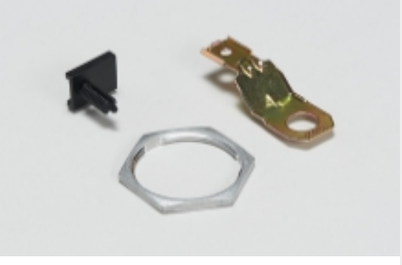
Automotive Housings(221)



Connector Seals & Cavity Plugs(4)



Data Connectivity Headers(12)



Other Automotive Connector Accessories(39)

Customers Also Bought



TE Part #T4111001051-000
M12,MALE,STRAIGHT,A CODE,5P, PG7,GOLD



TE Part #1241380-1
AMP MCP 1.5K, CONTACT, SWS



TE Part #1-1418448-1
3 POS. AMP MCP1.5k REC.HSG CO



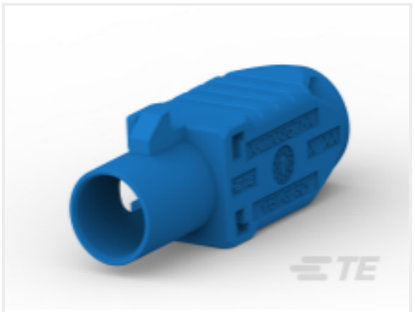
TE Part #1-1418448-2
3POS MCP1.5k REC HSG CO MID POS CLOSED



TE Part #1670365-1
COVER MIXED,180,2-3POS,BK



TE Part #2063534-1
SDE MCP2.8 0.5-1.0mm2 ASSY



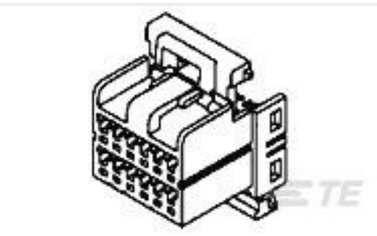
TE Part #2-2203571-0
HOUSING, INLINE MALE, FAKRA



TE Part #2312640-1
RETAINER, MALE, 1 POS, FAKRA AUTOMATED



TE Part #2377861-1
11POS,HYBRID,TAB HSG ASSY, UNSLD,COD A



TE Part #174046-2
040 MULTILOCK PLUG 16P

Documents

Product Drawings

3POS,TAB 1.5X0.63 TAB HSG MID POS CLOSED

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1670730-2_H.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1-1670730-2_H.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1670730-2_H.3d_stp.zip

English

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Product Specifications

Application Specification

English