1-1703639-1 ✔ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1703639-1

Housing for Female Terminals, Wire-to-Wire, 12 Position, 4 mm [.157 in] Centerline, Sealable, Black, Wire & Cable, Heavy Duty Sealed Connector Series

View on TE.com >

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



Connector System: **Wire-to-Wire**

Number of Positions: **12**

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

Centerline (Pitch): **4 mm [.157 in]**

Sealable: **Yes**

All Heavy Duty Sealed Connector Series Housings (204)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	On the Terminal

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	60 VDC

Body Features

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

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

Terminal Position Assurance	No
Strain Relief	Without
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

Connector Height	31.25 mm[1.23 in]
Product Width	25.7 mm[1.012 in]
Product Length	54.1 mm[2.13 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	300
Packaging Method	Box

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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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-H3399-CH8172
Heavy Duty Sealed Connector Series Housings



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



TE Part # 964972-1
EINZELLEITERDICHTNG



TE Part # 2112302-1
PROTECTION CAP, FOR REC.HSG GROUP D



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

TE Part # 1-2425600-1
12POS,TAB1.5X0.6,HDR ASSY,90DEG, COD A

Also in the Series | Heavy Duty Sealed Connector Series



Automotive Connector Caps & Covers (25)



Automotive Housings(207)



Connector Seals & Cavity Plugs(5)



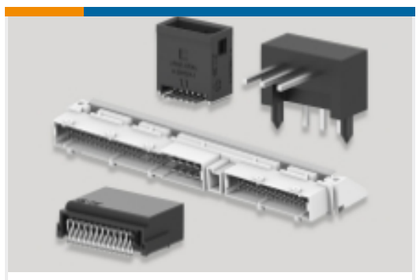
Data Connectivity Headers(2)



Data Connectivity Housings(16)



Other Automotive Connector Accessories(34)



PCB Headers & Receptacles(1)

Customers Also Bought



TE Part #1-1564414-1
Heavy Duty Sealed Connector Series Housings



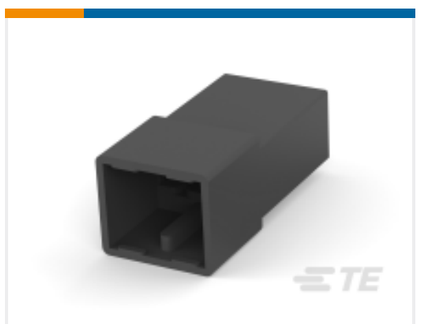
TE Part #964972-1
EINZELLEITERDICHTNG



TE Part #1418884-3
AMP MCP, RECEPTACLE AND TAB



TE Part #7-2151981-7
OCEAN_2.0_SPARE_PART_KIT-062F125O



TE Part #180924-5
FF 250 TAB HSG 2P NYLON BLACK

Documents

Product Drawings

12POS,AMP MCP1.5K,REC HSG,ASSY

English

CAD Files

Customer View Model

ENG_CVM_CVM_1-1703639-1_J.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1703639-1_J.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1703639-1_J.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

HDSCS Catalog

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

1-794222-0 2377783-2 CPF0402B37K4E1 SBCHE154R7K SBCHE64R7K RH73H2A40MKTN TE50BR39J 141991-2 175977-2 2310537-1 3631B101LL 1903112-2 2-292161-3 2834055-1 CRGCQ2010J3K3 SMW73R0JT 1969656-1 2005330-1 3-1393225-0 1-962915-1 1743455-2 2380312-2 3430B2F51RTDF 650075-000 917696-1 MPT100C18RF U5254-000005-030PA 1393431-1 ROX05SJ18R 936348-1