776309-1 ✔ ACTIVE

AMP | AMPSEAL 16

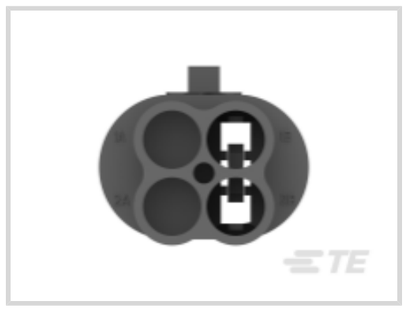
TE Internal #: 776309-1

Housing for Male Terminals, Wire-to-Wire, 2 Position, 6 mm [.236 in] Centerline, Blue, Wire & Cable, Power, Cable Mount (Free-Hanging), AMPSEAL 16

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings




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

Number of Positions: **2**

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

Centerline (Pitch): **6 mm [.236 in]**

Sealable: **No**

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	No
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	2
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Blue

Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.6 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

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

Housing Features

Housing Material	Nylon
Centerline (Pitch)	6 mm[.236 in]

Dimensions

Connector Height	38.6 mm[1.52 in]
Product Width	16.3 mm[.641 in]
Product Length	19.8 mm[.779 in]
Row-to-Row Spacing	6.3 mm[.248 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Operation/Application

Circuit Application	Power

Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	550

Packaging Method	Package

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

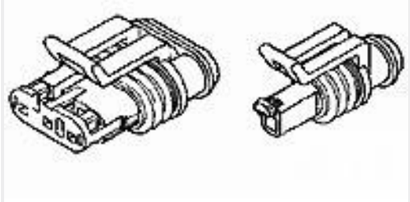
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

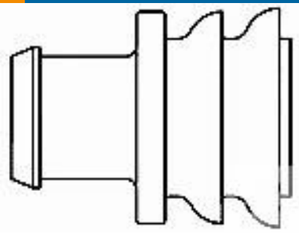
Product Compliance Disclaimer

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



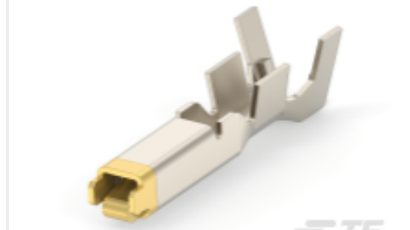
TE Part # 282080-1
AMP SUPERSEAL 1.5 SERIES 2P PL



TE Part # 281934-2
SINGLE WIRE SEAL



TE Part # 776540-1
776310-1 SECONDARY LOCK WITH 120 OHM 1/2

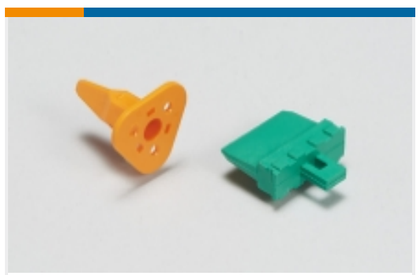


TE Part # 173631-7
070 MLC REC CONT 20-16 GOLD

Also in the Series | AMPSEAL 16



Automotive Connector Caps & Covers (3)



Automotive Connector Locks & Position Assurance(2)



Automotive Housings(244)



Automotive Terminals(35)



Connector Backshells(84)



Connector Seals & Cavity Plugs(4)



Data Connectivity Headers(2)



Data Connectivity Housings(3)



Other Automotive Connector Accessories(11)

Customers Also Bought



TE Part #AEC16-40SA
PLG, 40P, BLK, N, A



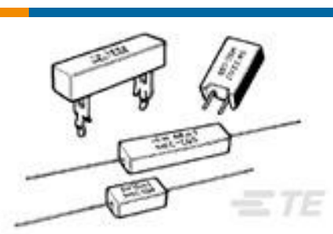
TE Part #HDP26-24-31ST-L017
DEUTSCH HDP20 Housings



TE Part #3-1879457-3
TE 2500W 470R 5% Bracket



TE Part #1879363-2
THS75 2R2 5%



TE Part #1-1623783-0
SQM7 39K 5% (METAL FILM)



TE Part #6-1879352-8
RR02 5% 200R AMMO



TE Part #HD16-9-1939S-P080
PLG, 9P, GRN, N, J1939, TYPE 2



TE Part #2287978-1
2POS,MCON 2.8,REC HSG,SHTD HVIL1.2,ASSY

Documents

Product Drawings

CAP HOUSING 2 POSITION

English

CAD Files

3D PDF

English

Customer View Model

ENG_CVM_776309-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_776309-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_776309-1_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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