



AMP | AMPSEAL 16

TE Internal #: 2040278-2

Housing for Female Terminals, Wire-to-Wire, 2 Position, .177 in [4.5 mm] Centerline, Sealable, Red, -40 – 257 °F [-40 – 125 °C], Key A, AMPSEAL 16

[View on TE.com >](#)

Connectors > Automotive Connectors > Connector Housings > AMPSEAL 16 HOUSINGS



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

Mating Pin Diameter: **1.5 mm [.059 in]**

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

Number of Positions: **2**

Centerline (Pitch): **4.5 mm [.177 in]**

[All AMPSEAL 16 HOUSINGS \(226\)](#)

Features

Product Type Features

Connector & Housing Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Integrated in Housing

Configuration Features

Number of Positions	2
Number of Rows	1

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V



Body Features

Cable Exit Angle	180°
Body Material	Other
Primary Product Color	Red
Connector Code	A

Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.5 mm[.059 in]

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	No
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With

Housing Features

Centerline (Pitch)	4.5 mm[.177 in]
--------------------	-----------------

Dimensions

Product Width	23.5 mm[.925 in]
Product Length	20.3 mm[.799 in]
Product Height	37.5 mm[1.476 in]

Usage Conditions

Operating Temperature (Max)	70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	50
Packaging Method	Bag



Other

Connector Position Assurance Capable	Yes
--------------------------------------	-----

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 2022 (224) Candidate List Declared Against: JUL 2021 (219) SVHC > Threshold: Not Yet Reviewed
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>

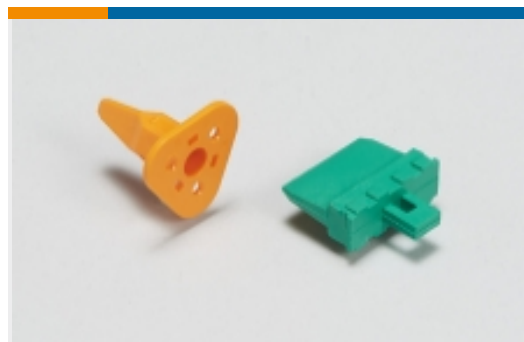
Compatible Parts



Also in the Series | AMPSEAL 16



Automotive Connector Caps & Covers (85)



Automotive Connector Locks & Position Assurance(2)



Automotive Housings(241)



Automotive Seals & Cavity Plugs(4)



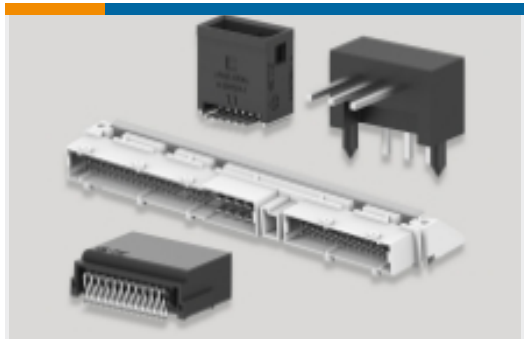
Automotive Terminals(33)



Data Connectivity Housings(3)

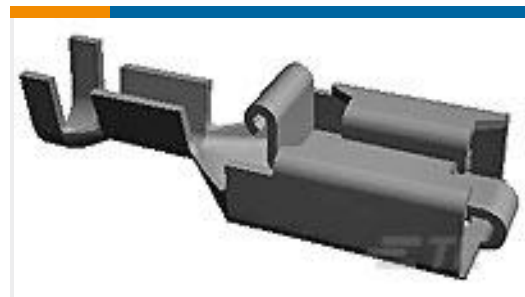


Other Automotive Connector Accessories(11)

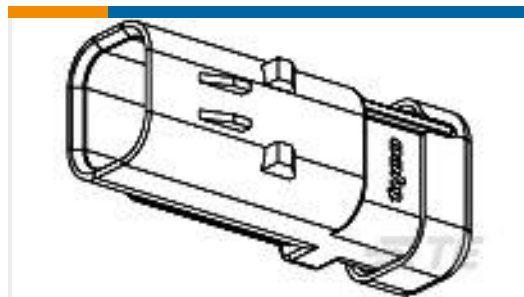


PCB Headers & Receptacles(3)

Customers Also Bought



TE Part #154717-4
PL 250 REC TERMINAL 13-11 AWG
TPPB



TE Part #776534-1
AS 16, 2P CAP ASSY, RD, KEY 1



TE Part #2-963736-1
TAB 5.8x0.8 CONTACT CF SRC Sn



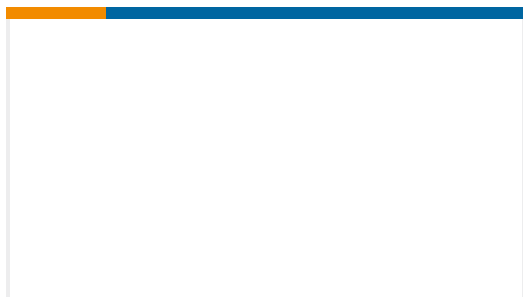
TE Part #1-1414552-0
V23136A1001X057-EV-CBOX



TE Part #1-1414121-0
V23136B1001X051-EV-CBOX



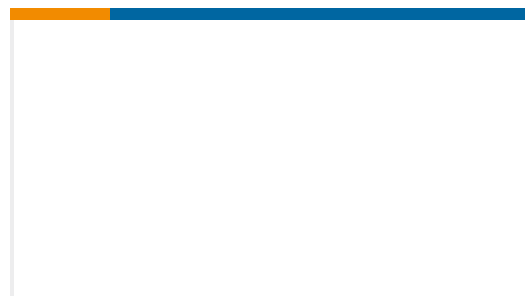
TE Part #1-963749-2
TAB TAB 1.0-2.5 MM2 SIPPHBZ



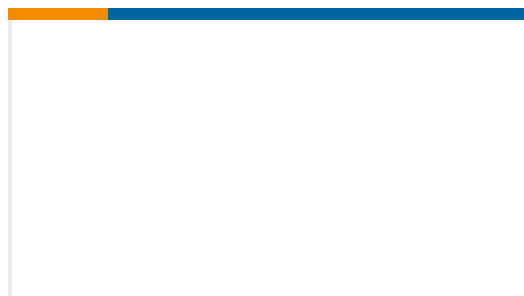
TE Part #1718968-1
ROUND NUT M28x1.5



TE Part #1718969-1
LOCKING PLATE



TE Part #FPP870A001
OLS2816170SC7



TE Part #827396-1
HYLSA PIC

Documents



Product Drawings

PLUG ASSY 120, AMPSEAL16 RESIST PLUG

Japanese

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2040278-2_C_c-2040278-2-c.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2040278-2_C_c-2040278-2-c.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2040278-2_C_c-2040278-2-c.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

Product Specification

English