

776438-1 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776438-1

AMPSEAL 16, Housing for Male Terminals, Wire-to-Wire, 12

Position, 4.5mm [.177in] Centerline, Sealable, Red

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Connectors > Automotive Connectors > Connector Housings > AMPSEAL 16 HOUSINGS



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

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

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

Number of Positions: **12**

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

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

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Rows	2

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	PBT GF
Primary Product Color	Red
Connector Code	1



Contact Features

Mating Pin Diameter	1.5 mm[.059 in]
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Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized

Housing Features

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

Product Width	47.55 mm[1.872 in]
Product Length	37.6 mm[1.48 in]
Product Height	26.65 mm[1.049 in]
Row-to-Row Spacing	5.3 mm[.209 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 – 125 °C[-40 – 257 °F][-40 – 257 °F]

Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	125
Packaging Method	Package

Other

Serviceable	Yes
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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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

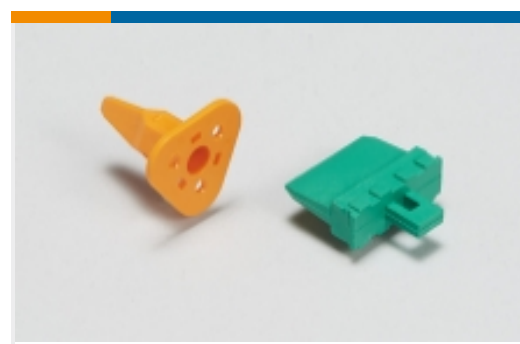
Product Compliance Disclaimer

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>

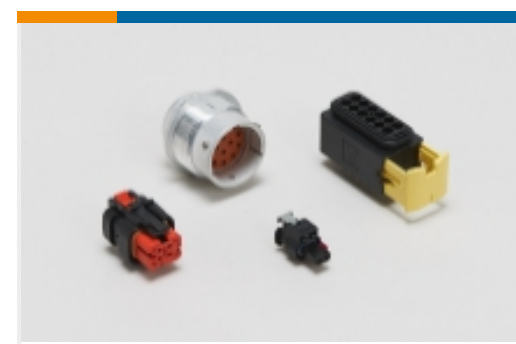
Compatible Parts



Also in the Series | AMPSEAL 16

Automotive Connector Caps & Covers
(76)Automotive Connector Locks &
Position Assurance(2)

Automotive Headers(3)



Automotive Housings(237)



Automotive Seals & Cavity Plugs(4)



Automotive Terminals(33)

Other Automotive Connector
Accessories(11)

Customers Also Bought

TE Part #1011-349-1205
DEUTSCH DT DUST CAPSTE Part #776533-1
AMPSEAL 16 HOUSINGSTE Part #1924487-1
AMPSEAL 16 MOUNTING CLIPSTE Part #1924463-1
AMPSEAL 16 CONTACTSTE Part #1060-16-0988
DEUTSCH STAMPED & FORMED
CONTACTSTE Part #1544316-1
JOINT VERT G2TE Part #2292906-2
2POS,MCON 1.2,REC HSG ASSY,SLD,
COD B

Documents

Product Drawings

AS 16, 12P CAP ASSY, KEY, 1

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_776438-1_D_c-776438-1-d.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_776438-1_D_c-776438-1-d.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_776438-1_D_c-776438-1-d.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

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English

Product Environmental Compliance

[MD_776438-1_01302018440_dmtec](#)

English

[MD_776438-1_01302018440_dmtec](#)

English

Instruction Sheets

[Instruction Sheet \(U.S.\)](#)

English