

1717677-1 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 1717677-1

Housing for Male Terminals, Wire-to-Wire, 12 Position, .177 in [4.5 mm] Centerline, Sealable, Red, Cable Mount (Free-Hanging),

AMPSEAL 16

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Connectors > Automotive Connectors > Automotive 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 Shape	Rectangular
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°
Primary Product Color	Red



Connector & Keying Code	A
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Contact Features

Contact Size	Size 16
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Contact Type	Pin
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Mating Pin Diameter	1.5 mm[.059 in]
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Contact Current Rating (Max)	13 A
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Mechanical Attachment

Terminal Position Assurance	Yes
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Strain Relief	Without
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Mating Alignment Type	Keyed
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Mating Alignment	With
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Connector Mounting Type	Cable Mount (Free-Hanging)
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Housing Features

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

Connector Height	26.8 mm[1.055 in]
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Product Width	47.55 mm[1.872 in]
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Product Length	37.6 mm[1.48 in]
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Row-to-Row Spacing	4 mm, 5.3 mm[.157 in][.209 in]
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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]
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Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
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Industry Standards

Degree of Protection	IP67
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UL Flammability Rating	UL 94HB
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Packaging Features

Packaging Quantity	25
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Packaging Method	Bag
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Other



Connector Position Assurance Capable	Yes
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

 <p>TE Part # CAT-AM7801-M8649 AMPSEAL 16 Connectors Mounting Clips</p>	 <p>TE Part # 776363-1 SEALING PLUG, SZ 16 CAVITY</p>	 <p>TE Part # CAT-AM7801-B128 AMPSEAL 16 Connectors Backshell</p>	 <p>TE Part # CAT-AM7801-T618 Removal Tools — AMPSEAL 16</p>
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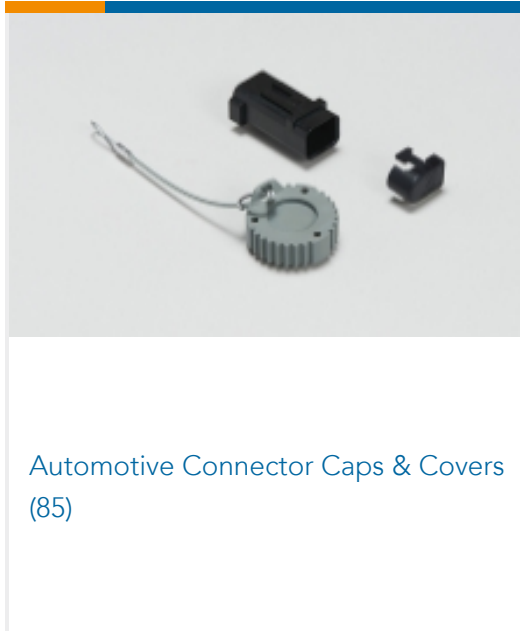


TE Part # CAT-AM7801-T273
Contacts: Size 16, 13A

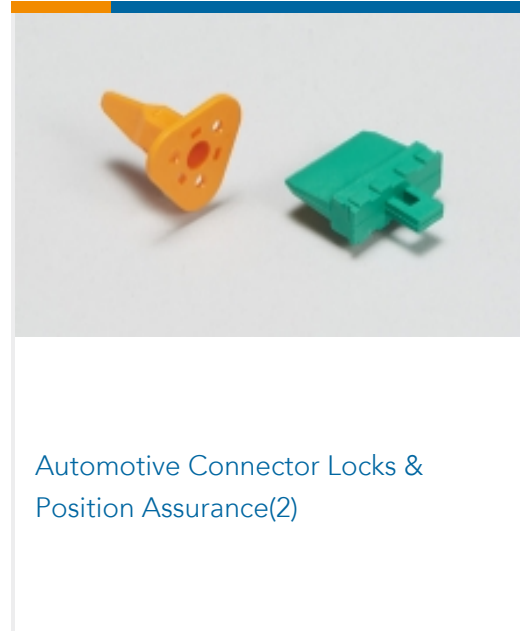


TE Part # CAT-AM7801-CH8172
AMPSEAL 16 Housings

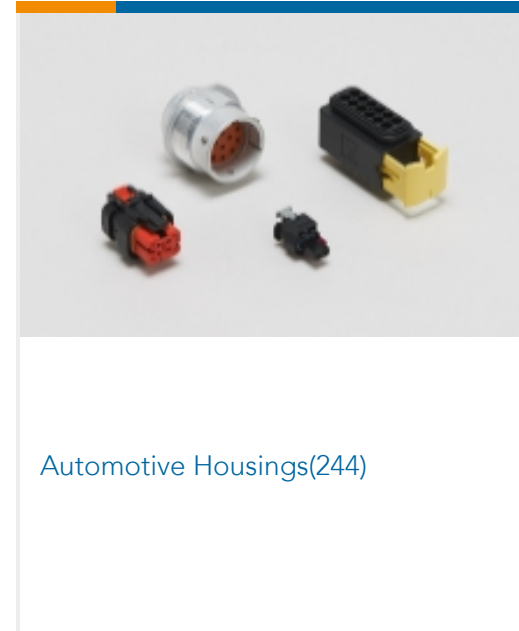
Also in the Series | AMPSEAL 16



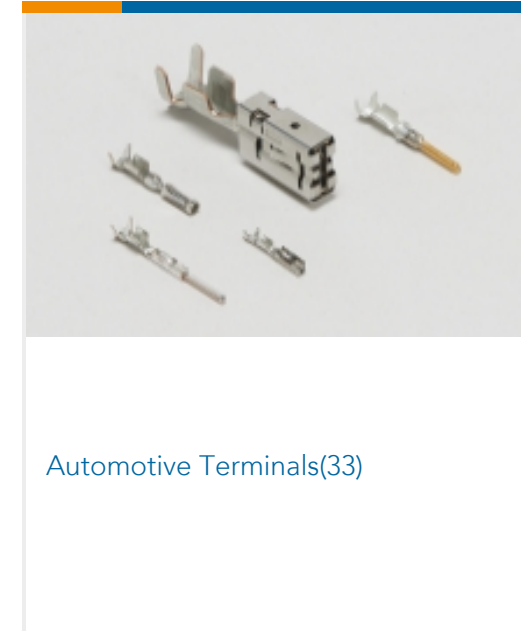
Automotive Connector Caps & Covers (85)



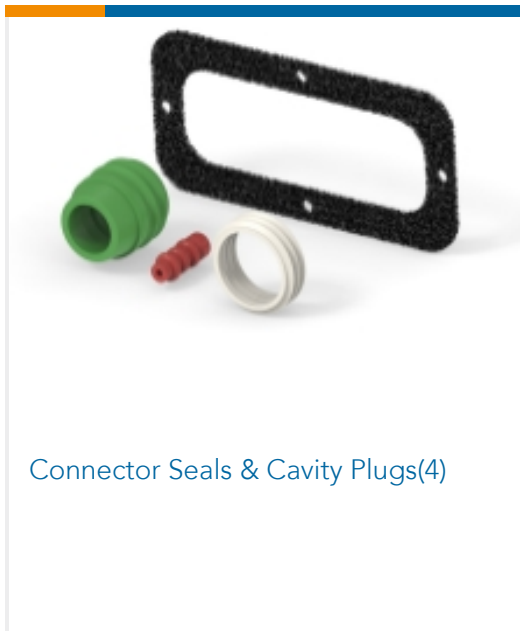
Automotive Connector Locks & Position Assurance(2)



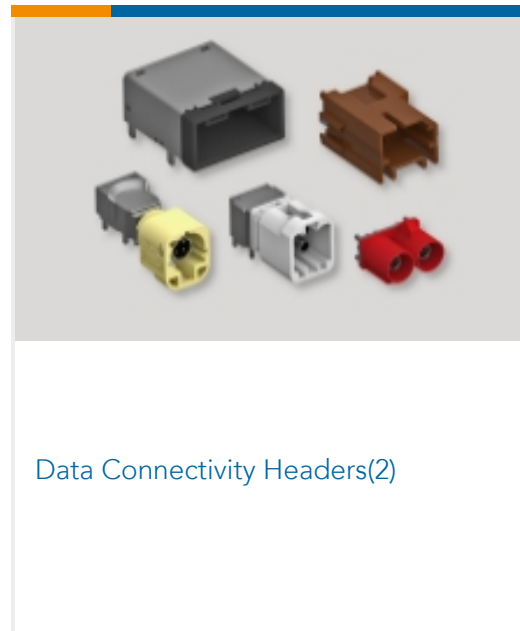
Automotive Housings(244)



Automotive Terminals(33)



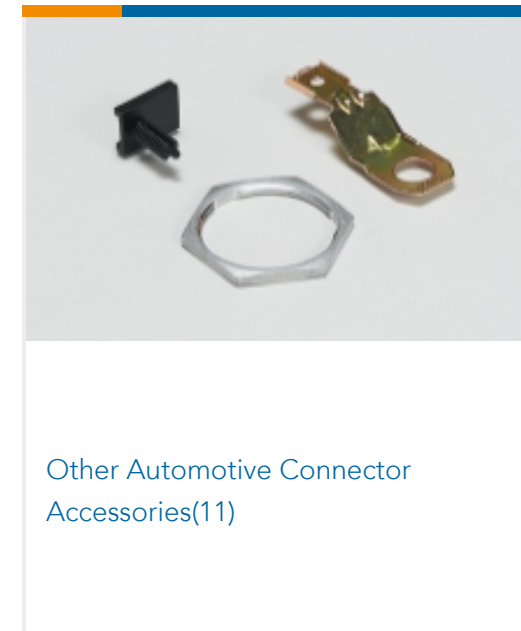
Connector Seals & Cavity Plugs(4)



Data Connectivity Headers(2)



Data Connectivity Housings(3)



Other Automotive Connector Accessories(11)

Customers Also Bought



TE Part #DTP04-2P-E004
DEUTSCH DTP Housings



TE Part #1326978-1
BACK SHELL, 2 WIRE, AMPSEAL 16



TE Part #1717138-4
025/040 SEALED 44POS PLUG ASSY



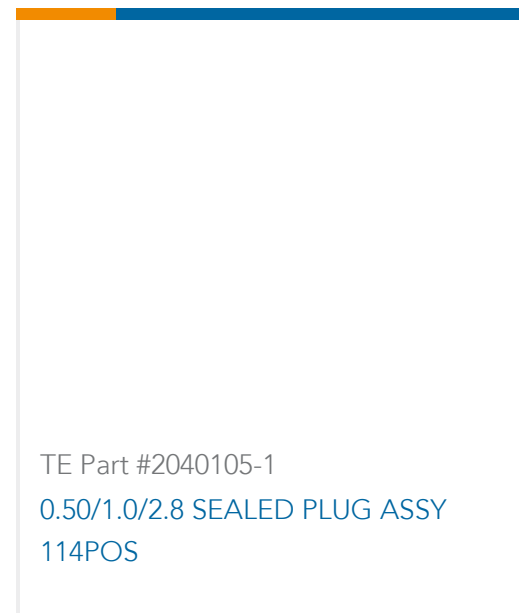
TE Part #2040594-5
AMPSEAL 16 Housings



TE Part #1718350-1
MCON 1.2 CB TAB STC SN



TE Part #2292906-2
2POS,MCON 1.2,REC HSG ASSY,SLD, COD B



TE Part #2040105-1
0.50/1.0/2.8 SEALED PLUG ASSY 114POS



TE Part #6-1105151-1
HSS-C-Bu.Ag.25,0 qmm



Documents

Product Drawings

[CAP ASSY,12P,BRACKET REVERSE TYPE,ATAC C](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1717677-1_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1717677-1_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1717677-1_E.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