



Connectors > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



Connector System: Wire-to-Device, Wire-to-Wire

Number of Positions: 12

Connector & Housing Type: Housing for Female Terminals

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

Sealable: Yes

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

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	12
Number of Rows	2

Electrical Characteristics

--	--



Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray
Connector & Keying Code	1

Contact Features

Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.59 mm[.062 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Add By Accessory
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

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

Dimensions

Connector Height	31.5 mm[1.24 in]
Product Width	38.33 mm[1.509 in]
Product Length	36.8 mm[1.449 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, 130 °C, 140 °C, 145 °C, 150 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F][293 °F][302 °F]
Operating Temperature Range	-40 – 150 °C[-40 – 302 °F]

Operation/Application

--	--



Circuit Application	Power, Signal
---------------------	---------------

Industry Standards

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

Packaging Features

Packaging Method	Box
------------------	-----

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: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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-AM7801-T273
Contacts: Size 16, 13A



TE Part # CAT-AM7801-B128
AMPSEAL 16 Connectors Backshell



TE Part # 776441-1
AS 16, EXTRACTION TOOL



TE Part # 776363-1
SEALING PLUG, SZ 16 CAVITY




TE Part # CAT-AM7801-CH8172
AMPSEAL 16 Housings



TE Part # 2272179-6
AMPSEAL 16 PERIPHERAL SEAL 12P - SERVICE


Also in the Series | AMPSEAL 16




Automotive Connector Caps & Covers
(1)



Automotive Connector Locks & Position Assurance
(2)




Automotive Housings(244)



Automotive Terminals(33)



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 #DT06-4S-E005
PLG, 4P, BLK, N, CAP

TE Part #160038
SOLIS 12-10 R 10MM

TE Part #5-583853-3
TWIN LEAF TERM. STRIP CSTL

TE Part #505038-1
SHUR PLUG 180 CRIMP TAB 20-16 AWG BR

TE Part #1438031-1
2X8 SEALD HARN ASSY W/O CPA

TE Part #66564-8
III+ PIN,24-20,30AU/FL,STRIP

TE Part #2320921-2
AMPSEAL 16 Housings

TE Part #2600046-1
18CCT RECEP BLACK KEYING A W /SEAL

TE Part #2-2600020-2
XRC PIN TERMINAL 14-18AWG Ni Plated

Documents

Product Drawings

12POS,AMPSEAL 16,SOC HSG ASSY,SLD,COD 1

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2320925-1_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2320925-1_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2320925-1_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications



Application Specification

English