

AMP | AMPSEAL 16

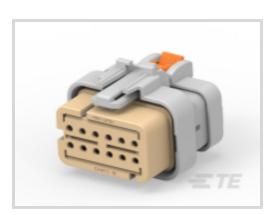
TE Internal #: 2320925-1

Housing for Female Terminals, Wire-to-Device / Wire-to-Wire, 12 Position, .177 in [4.5 mm] Centerline, Sealable, Gray, Wire & Cable,

AMPSEAL 16
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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



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 °C][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



AS 16, EXTRACTION TOOL



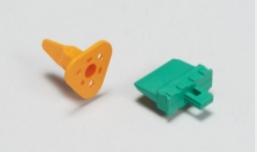


TE Part # CAT-AM7801-CH8172 AMPSEAL 16 Housings



Also in the Series | AMPSEAL 16



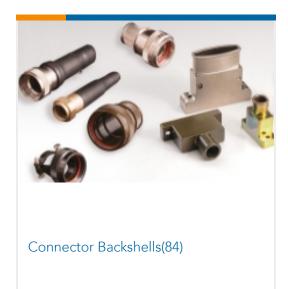


Position Assurance(2)





Automotive Terminals(33)



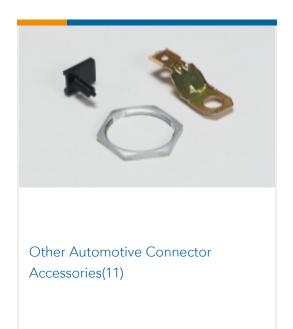




Data Connectivity Headers(2)



Data Connectivity Housings(3)



Customers Also Bought





















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

Housing for Female Terminals, Wire-to-Device / Wire-to-Wire, 12 Position, .177 in [4.5 mm] Centerline, Sealable, Gray, Wire & Cable, AMPSEAL 16



Application Specification

English