

## AMP | AMPSEAL 16

TE Internal #: 2320931-1

Housing for Male 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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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 Male Terminals

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

Sealable: Yes

### All AMPSEAL 16 Housings (226)

# **Features**

# **Product Type Features**

Mixed & Hybrid Connector	No
Mixed & Hybrid Connector	INO
Connector Shape	Rectangular
Connector System	Wire-to-Device, Wire-to-Wire
Connector & Housing Type	Housing for Male 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	Pin
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	26.65 mm[1.049 in]
Product Width	37.6 mm[1.48 in]
Product Length	47.55 mm[1.872 in]
Row-to-Row Spacing	5.3 mm[.209 in]
Usage Conditions	
Operating Temperature (Max)	150 °C[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**











# 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)



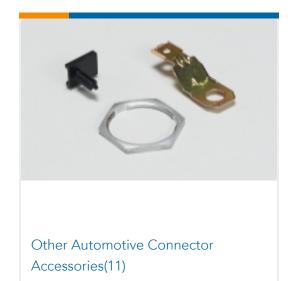
Connector Seals & Cavity Plugs(4)



Data Connectivity Headers(2)



Data Connectivity Housings(3)



# Customers Also Bought



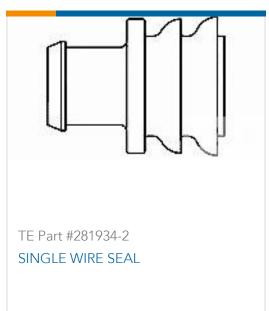














# **Documents**

# **Product Drawings**

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

English

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_2320931-1\_A.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2320931-1\_A.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_2320931-1\_A.3d\_stp.zip

English

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# **Product Specifications**

**Application Specification** 

English