



Connectors > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



Number of Positions: 12

Connector & Housing Type: Cap

Mating Pin Diameter: 1.5 mm [.059 in]

Connector System: Wire-to-Wire

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

[All AMPSEAL 16 Housings \(224\)](#)

Features

Product Type Features

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

Configuration Features

Number of Positions	12
Number of Rows	2

Electrical Characteristics

Operating Voltage	250 VDC
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Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	C

Contact Features

Contact Size	1.5mm
Contact Type	Pin
Mating Pin Diameter	1.5 mm[.059 in]

Mechanical Attachment

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

Housing Features

Housing Material	PBT GF15
Centerline (Pitch)	4.5 mm[.177 in]

Dimensions

Row-to-Row Spacing	5.3 mm[.209 in]
Product Width	47.55 mm[1.872 in]
Product Length	37.6 mm[1.48 in]
Connector Height	26.8 mm[1.055 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]

Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	25
Packaging Method	Bag

Other



Connector Position Assurance Capable	No
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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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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



TE Part # CAT-AM7801-T618
Removal Tools — AMPSEAL 16

TE Part # CAT-AM7801-CH8172
AMPSEAL 16 Housings

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

TE Part # CAT-AM7801-T273
AMPSEAL 16 CONTACTS

TE Part # CAT-AM7801-M8649
AMPSEAL 16 Connectors Mounting Clips

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

Also in the Series | AMPSEAL 16

Automotive Connector Locks & Position Assurance(6)

Automotive Housings(239)

Connector Backshells(84)

Connector Seals & Cavity Plugs(10)

Data Connectivity Headers(2)

Data Connectivity Housings(3)

Other Automotive Connector Accessories(8)

Rectangular Backshells & Clamps(74)

Customers Also Bought

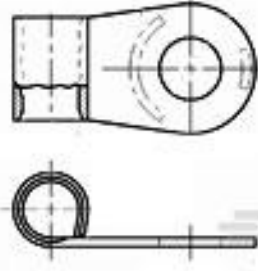
TE Part #DT04-12PA-CE09
REC, 12P, BLK, E, XCAP, A

TE Part #1746089-1
025/040 44POS COVER V

TE Part #DT06-12SD-CE05
PLG, 12P, BRN, E, SEAL RET,ENH KEY, CAP,D

TE Part #CAT-AM7801-CH8172
AMPSEAL 16 Housings





TE Part #321060
TERMINAL,SOLIS FLAG R 4 5/16



TE Part #4828-007-8605
BKSHL, 86P, BLK, VERTICAL, DRCP

TE Part #2819652-1
DT04-3P-CE03

TE Part #4060-005-04141
PIN, SOLID, SIZE 4, 4AWG, NI



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_1717677-3_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1717677-3_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1717677-3_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

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

1717677-3

12 Position Housing, Cap, Wire-to-Wire, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, Cable Mount (Free-Hanging), AMPSEAL 16

