776438-3 - ACTIVE

AMP | AMPSEAL 16 TE Internal #: 776438-3 Cap, Wire-to-Wire, 12 Position, 4.5 mm [.177 in] Centerline, Sealable, Black, Wire & Cable, Cable Mount (Free-Hanging), AMPSEAL 16

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Connectors > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



Connector System: Wire-to-Wire

Number of Positions: **12**

Connector & Housing Type: Cap

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

Sealable: Yes

All AMPSEAL 16 Housings (224)

Features

Product Type Features

Mixed & Hybrid Connector

Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Сар
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing
Configuration Features	
Number of Positions	12
Number of Rows	2
Electrical Characteristics	
Operating Voltage	250 VDC
Body Features	
Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	С

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



Contact Features

Contact Size1.5mmContact TypePinMating Pin Diameter1.5 mm(.06 in)Mating Pin Diameter1.5 mm(.06 in)Mating All ExchancelYesStrain ReliefAdd By AccessoryMating Alignment TypeKeyedMating Alignment TypeConnector Mounting TypeConnector Mounting TypeOble Mount (Free Hanging)Housing MaterialPBT GFConnector Mounting TypePBT GFConnector Mounting TypeSch mm(1.049 in)Potenting (Ptech)Add Smm(1.049 in)Potenting (Ptech)Sch mm(1.049 in)Product UngthSch mm(1.049 in)Product LengthSch mm(1.049 in)Now to Row SpacingSch mm(1.049 in)Now to Row SpacingSch mm(1.049 in)Poreating Temperature (Max)I.25 "C(2.57 "F]Operating Te		
Mating Pin Diameter1.5 mm(.06 in)Mating AltachmentVesTerminal Position AssuranceVesStrain ReliefAdd By AccessoryMating Alignment TypeKeyedMating AlignmentWithConnector Mounting TypeCable Mount (Free Hanging)Housing MaterialPBT GFCenterline (Pitch)9BT GFConnector Height2665 mm(1.049 in)Product Width47.55 mm(1.872 in)Product Width37.6 mm(1.48 in)Row to Row SpacingS.3 mm(.202 in)Worter Spacing Temperature (Max)125 °C[257 °F]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range40 125 °C[40 257 °F]Industry StandardsPeriodPackaging Quantity1Packaging Quantity1Packaging MethodAggServiceableVes	Contact Size	1.5mm
Ackanical AttachmentYesTerminal Position AssuranceYesStrain RolliefAdd By AccessoryMating Alignment TypeKeyedMating AlignmentWithConnector Mounting TypeCable Mount (Iree-Hanging)Husing MaterialPBT GFConnector Mounting TypePBT GFHusing MaterialCable Mount (Iree-Hanging)Connector Hounting TypeBT GFConnector Hounting TypeStorm (Trin)Posting PettreeStorm (Trin)Connector HeightAds Storm (Trin)Ponduct HeightStorm (Trin)Product LengthStorm (Trin)Product LengthStorm (Trin)Row to Row SpacingStorm (Trin)Row to Row SpacingStorm (Trin)Operating Temperature MaxicStorm (Trin)Porting Temperature MaxicHordPorting Temperature MaxicIso (Trin)Parce of ProtectionHordInformationIso (Trin)Packaging QuantityIPackaging QuantityIPackaging MuthodStorm (Trin)PorticStorm (Trin)PorticStorm (Trin)PorticStorm (Trin)PorticStorm (Trin)Portic Storm (Trin)Iso (Trin)Portic Storm (Contact Type	Pin
Terminal Position AssuranceYesTerminal Position AssuranceYesStrain ReliefAdd By AccessoryMating Alignment TypeKeyedMating AlignmentWithConnector Mounting TypeCable Mount (free-Hanging)Housing MaterialPBT GFCenterline (Pitch)4.5 mm[.127 in]Porduct Vidth26.65 mm[.1049 in]Product Length26.65 mm[.1049 in]Product Length37.6 mm[.148 in]Row-to-Row Spacing37.6 mm[.148 in]Row-to-Row Spacing125 °C[/40 - 257 °F]Operating Temperature (Max)125 °C[/40 - 257 °F]Operating Temperature Range-40 - 125 °C[/40 - 257 °F]Operating Temperature RangeUI 94/HBUI Flammability RatingUI 94/HBPackaging Quantity1Packaging Quantity1Packaging MethodBagCotreServiceableVesYes	Mating Pin Diameter	1.5 mm[.06 in]
strain Relief Add By Accessory Mating Alignment Type Keyed Mating Alignment Wth Connector Mounting Type Cable Mount (Free Hanging) Housing Features Factor (Free Hanging) Connector Mounting Type PBT GF Connector Meight Ref GF Connector Height Add By Accessory Connector Height Aff Smm[1.049 in] Product Width 47.55 mm[1.872 in] Product Width 37.6 mm[1.049 in] Product Width 47.55 mm[1.872 in] Product Spacing 5.3 mm[.209 in] Operating Temperature (Max) 125 °C[40 - 257 °F] Operating Temperature Range IP67 U Flammability Rating U 194HB Production IP67 U Flammability Rating IP1 Prodkaging Method Bag	Mechanical Attachment	
Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features BBT GF Housing Material PBT GF Centerline (Pitch) A.5 mm[1.049 in] Dimensions Connector Height Connector Height 26.65 mm[1.48 in] Product Width 17.55 mm[1.872 in] Product Length 37.6 mm[1.48 in] Row-to-Row Spacing S.3 mm[209 in] Usege Conditions 1 Operating Temperature (Max) 125 °C[257 °F] Operating Temperature Range -40 - 125 °C[-40 - 257 °F] Industry Standards 1 Packaging Features 1 Packaging Guantity 1 Packaging Method Bag Packaging Method Bag Packaging Method Sag	Terminal Position Assurance	Yes
Mating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Connector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPBT GFCenterline (Pitch)A5 mm[1.77 in]Connector Height26.65 mm[1.049 in]Product Width47.55 mm[1.872 in]Product Width37.6 mm[1.48 in]Row-to-Row Spacing5.3 mm[2.09 in]Voerating Temperature (Max)125 °C[240 – 257 °F]Operating Temperature Range40 – 125 °C[-40 – 257 °F]Operate of ProtectionIP67UL Flammability RatingUL 94HBPackaging Quantity1Packaging MethodBagOperating MethodBag	Strain Relief	Add By Accessory
Connector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPBT GFHousing MaterialPBT GFCenterline (Ptch)4.5 mm[.177 in]Dimensions26.65 mm[1.049 in]Product Nidth47.55 mm[1.872 in]Product Width47.55 mm[1.872 in]Product Length37.6 mm[1.48 in]Row-to Row Spacing5.3 mm[209 in]Usege Conditions125 °C[257 °F]Operating Temperature (Max)125 °C[40-257 °F]Operating Temperature Range-40 - 125 °C[-40-257 °F]UL Flammability RatingUL 94HBPackaging Quantity1Packaging Quantity1Packaging MethodBagOtherServiceableServiceableYes	Mating Alignment Type	Keyed
Housing Features Housing Material PBT GF Centerline (Pitch) PBT GF Centerline (Pitch) PBT GF Connector Height 26.65 mm[1.77 in] Connector Height 26.65 mm[1.049 in] Product Width 27.55 mm[1.872 in] Product Uridth 27.55 mm[1.872 in] Product Length 37.6 mm[1.48 in] Row-to-Row Spacing 37.6 mm[1.48 in] Row-to-Row Spacing 37.6 mm[1.48 in] Row-to-Row Spacing 40 Poperating Temperature (Max) 125 °C[257 °F] Usage Conditions Poperating Temperature Range 125 °C[257 °F] Poperating 125 °C[257 °F]	Mating Alignment	With
Housing MaterialPBT GFHousing MaterialPBT GFCenterline (Pitch)4.5 mm[.177 in]Dimensions26.65 mm[1.049 in]Connector Height26.65 mm[1.049 in]Product Width47.55 mm[1.872 in]Product Width37.6 mm[1.48 in]Row-to-Row Spacing5.3 mm[.209 in]Usage Conditions5.3 mm[.209 in]Usage Conditions-0 perating Temperature (Max)Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-40 - 125 °C[40 - 257 °F]Industry Standards	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch)4.5 mm[.177 in]DimensionsConnector Height26.65 mm[1.049 in]Product Width47.55 mm[1.872 in]Product Length37.6 mm[1.48 in]Row-to-Row Spacing5.3 mm[.209 in]Usage Conditions25 °C[257 °F]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range40 - 125 °C[40 - 257 °F]Operating Temperature Range10 under the second secon	Housing Features	
DimensionsConnector Height26.65 mm[1.049 in]Product Width47.55 mm[1.872 in]Product Length37.6 mm[1.48 in]Row-to-Row Spacing5.3 mm[.209 in]Usage Conditions37.6 mm[1.48 in]Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range40 - 125 °C[-40 - 257 °F]Operating Temperature Range102 °C[-40 - 257 °F]Operating Temperature Range102 °C[-40 - 257 °F]UL Flammability Rating1P67Operating Features12 °C[-40 - 400 °C]Packaging Quantity1Packaging Quantity1Packaging MethodBagOtherServiceableYenYen	Housing Material	PBT GF
Connector Height26.65 mm[1.049 in]Product Width47.55 mm[1.872 in]Product Length37.6 mm[1.48 in]Row-to-Row Spacing5.3 mm[209 in]Vage Conditions125 °C[257 °F]Operating Temperature (Max)125 °C[40 – 257 °F]Operating Temperature Range-40 – 125 °C[40 – 257 °F]Industry StandardsUL Planmability RatingUL Flammability RatingUL 94HBPackaging Ouantity1Packaging MethodBagOtherServiceableYendeYende	Centerline (Pitch)	4.5 mm[.177 in]
Product Width47.55 mm[1.872 in]Product Length37.6 mm[1.48 in]Row-to-Row Spacing5.3 mm[.209 in]Usage Conditions125 °C[257 °F]Operating Temperature (Max)125 °C[-40 – 257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry StandardsUDegree of ProtectionIP67UL Flammability RatingUL 94HBPackaging Features1Packaging Method8agOtherServiceableYesYes	Dimensions	
Product Length37.6 mm[1.48 in]Row-to-Row Spacing5.3 mm[.209 in]Usage Conditions125 °C[257 °F]Operating Temperature (Max)125 °C[-40 – 257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry StandardsUDegree of ProtectionIP67UL Flammability RatingUL 94HBPackaging Quantity1Packaging MethodBagOtherServiceableYesYes	Connector Height	26.65 mm[1.049 in]
Row-to-Row Spacing5.3 mm[.209 in]Bage Conditions125 °C[257 °F]Operating Temperature (Max)125 °C[-40 – 257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry Standards1Degree of ProtectionIP67UL Flammability RatingUL 94HBPackaging Peatures1Packaging Quantity1Packaging MethodBagOtherYes	Product Width	47.55 mm[1.872 in]
Usage ConditionsOperating Temperature (Max)125 °C[257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry Standards-40 – 125 °C[-40 – 257 °F]Industry StandardsIP67UL Flammability RatingUL 94HBPackaging Features	Product Length	37.6 mm[1.48 in]
Operating Temperature (Max)125 °C[257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry Standards-40 – 125 °C[-40 – 257 °F]Degree of ProtectionIP67UL Flammability RatingUL 94HBPackaging Features	Row-to-Row Spacing	5.3 mm[.209 in]
Operating Temperature Range -40 – 125 °C[-40 – 257 °F] Industry Standards Industry Standards Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Features I Packaging Quantity 1 Packaging Method Bag Other Serviceable	Usage Conditions	
Industry Standards IP67 Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Features I Packaging Quantity 1 Packaging Method Bag Other Serviceable	Operating Temperature (Max)	125 °C[257 °F]
Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Features I Packaging Quantity 1 Packaging Method Bag Other Serviceable	Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
UL Flammability Rating UL 94HB Packaging Features 1 Packaging Quantity 1 Packaging Method Bag Other Serviceable	Industry Standards	
Packaging Features 1 Packaging Quantity 1 Packaging Method Bag Other Serviceable	Degree of Protection	IP67
Packaging Quantity1Packaging MethodBagOtherYes	UL Flammability Rating	UL 94HB
Packaging Method Bag Other Serviceable	Packaging Features	
Other Serviceable Yes	Packaging Quantity	1
Serviceable Yes	Packaging Method	Bag
	Other	
Connector Position Assurance Capable Yes	Serviceable	Yes
	Connector Position Assurance Capable	Yes

Product Compliance

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



For compliance documentation, visit the product page on TE.com>

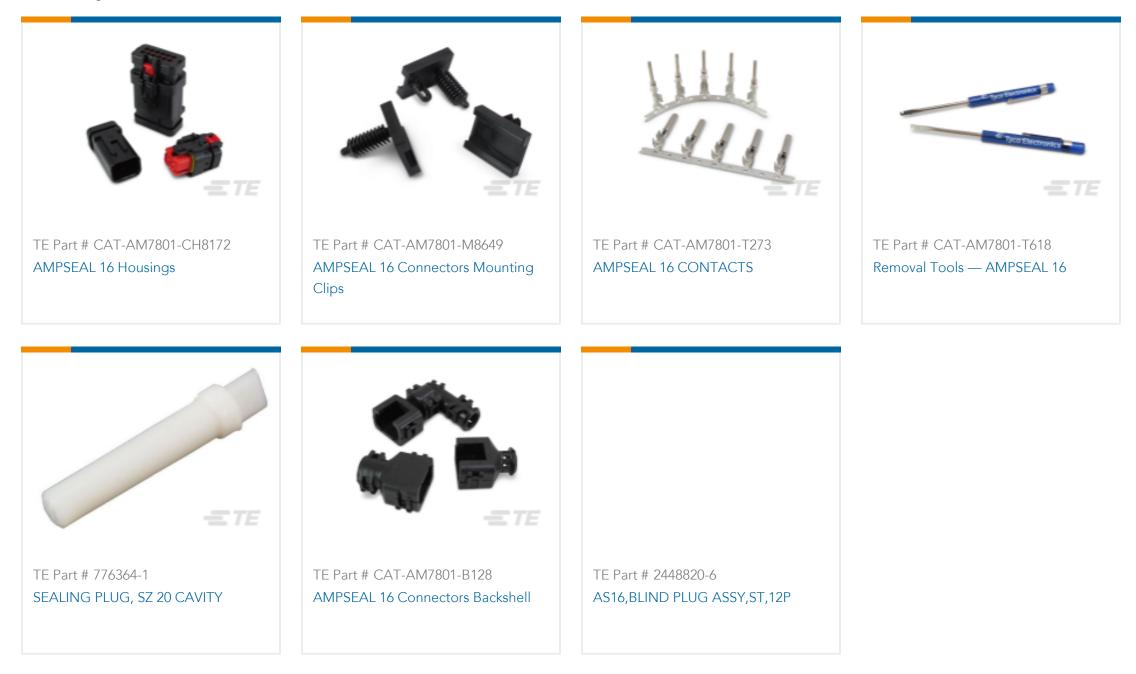
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does 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-onreach

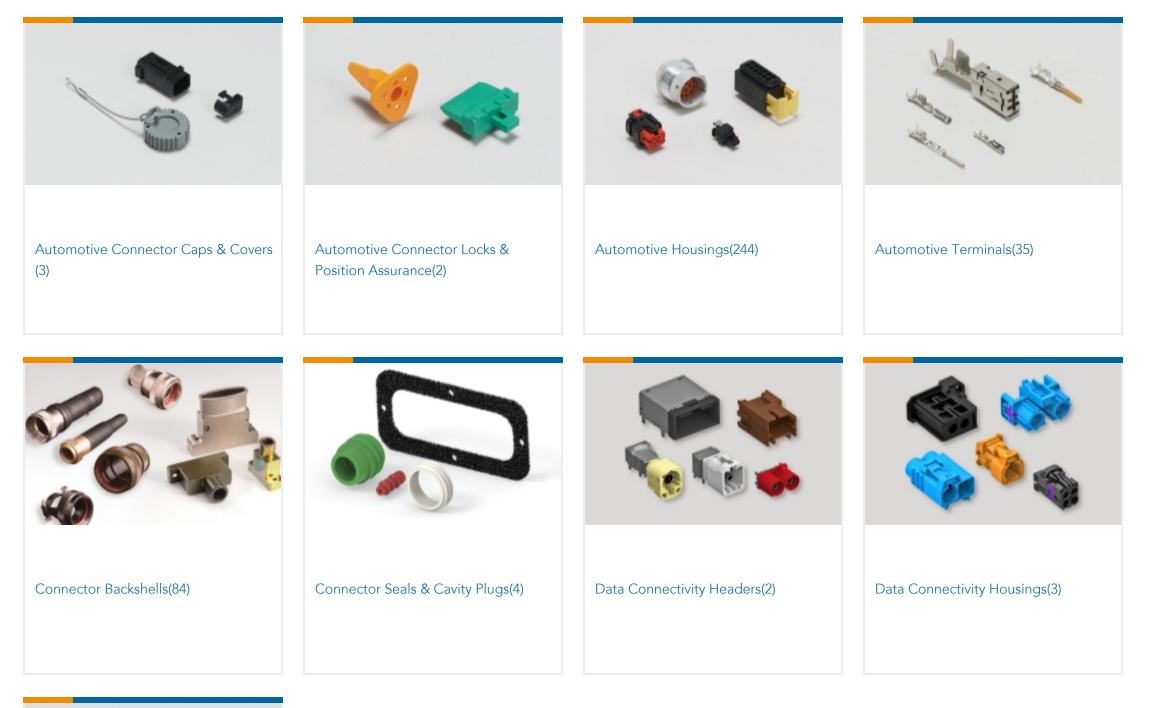
Compatible Parts



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



Also in the Series AMPSEAL 16





Other Automotive Connector Accessories(11)

Customers Also Bought



Documents

Product Drawings AS16,CAP ASSY,ST,12P,N SEAL,CODE C

English

CAD Files

3D PDF

3D

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



Customer View Model

ENG_CVM_CVM_776438-3_D_c-776438-3-d.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_776438-3_D_c-776438-3-d.3d_igs.zip

English

Customer View Model ENG_CVM_CVM_776438-3_D_c-776438-3-d.3d_stp.zip

English

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Datasheets & Catalog Pages ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Instruction Sheets Instruction Sheet (U.S.) English