776534-3 - ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776534-3 Housing for Male Terminals, Wire-to-Wire, 2 Position, .177 in [4.5 mm] Centerline, Sealable, Yellow, 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: 2

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

Connector Shape	Rectangular	
Connector System	Wire-to-Wire	
Connector & Housing Type	Housing for Male Terminals	
Sealable	Yes	
Primary Locking Feature	Integrated in Housing	
Configuration Features		
Number of Positions	2	
Number of Rows	1	
Electrical Characteristics		
Operating Voltage	250 VDC	
Nominal Voltage Architecture	12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V	
Body Features		
Cable Exit Angle	180°	
Primary Product Color	Yellow	

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Housing for Male Terminals, Wire-to-Wire, 2 Position, .177 in [4.5 mm] Centerline, Sealable, Yellow, Cable Mount (Free-Hanging), AMPSEAL 16



Contact SizeSize 16Contact TypePinMating Pin Diameter1.5 mm(.059 in)Contact Current Rating (Max)13 AContact Current Rating (Max)13 AContact Current Rating (Max)Add By AccessoryTerminal Position AssuranceYesStrain ReliefAdd By AccessoryMating Alignment TypeKeyedConnector Mounting TypeCable Mount (Free Hanging)Connector Mounting TypeCable Mount (Free Hanging)Housing MaterialPB I GFCenterline (Pitch)4.5 mm(.127 in]Preduct Width18.93 mm(./45 in]Product Length19.6 mm(.772 in)Product Length19.6 mm(.772 in)Product Length19.6 mm(.772 in)Preating Temperature (Max)20°C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 100 °C, 110 °C, 120 °C, 125 °C, 126 °C,		
Contact SizeSize 16Contact TypePinMating Pin Diameter1.5 mm[.039 in]Contact Current Rating (Max)3.4Mating Pin DiameterYesContact Current Rating (Max)YesMating Pin DiameterYesTerminal Position AssuranceYesStrain ReliefAdd By AccessoryMating Alignment TypeKeyedMating Alignment TypeKeyedHousing MaterialPBT GFCenterline (Pitch)4.5 mm[.177 in]DimensionsYesConnector Holght18.93 mm[.745 in]Product Width4.55 mm[.1872 in]Product Uright9.6 mm(.772 in]Operating Temperature (Max)0^VC, 75 °C, 80 °C, 85 °C, 90 °C, 180 °C, 91 °C, 110 °C, 105 °C, 110 °C, 105 °C, 110 °C, 1125 °C] (40 - 257 °F]Indicting Temperature (Max)UI Parmability Temperature (Max)Operating Temperature Range40 - 125 °C] 40 - 257 °F]Indicty StandardsUI Parmability Temperature RangePackaging Duantity400Packaging Countity400Packaging MethedPackagePackaging MethedPackaging MethedPackaging MethedPackaging Methed	Connector & Keying Code	3
Contact TypePinMating Pin Diameter1.5 mm(0.95 in)]Contact Current Rating (Max)13.4 mm(0.95 in)]Contact Current Rating (Max)ViaMating Pin DiameterYesTerminal Position AssuranceKeyedStrain ReliefAdd By AccessoryMating Alignment TypeKeyedMating Alignment TypeCable Mount (Free-Hanging)Connector Mounting TypeCable Mount (Free-Hanging)Housing MaterialPRT GFConnector Hight18.93 mm(1.77 in]Product Height18.93 mm(1.77 in]Product Height19.61 mm(3.77 in]	Contact Features	
Mating Pin Diameter1.5 mm[.059 in]Contour Current Rating (Max)13 AMachanical AttachmentYesTerminal Position AssuranceYesStrain ReliefAcid By AccessoryMating Alignment TypeKeyedMating Alignment TypeCable Mount (Free-Hanging)Housing MaterialPBT GFConnector Mounting Type15 mm[.127 in]Housing MaterialPBT GFConnector Height18.93 mm[./45 in]Product Height19.873 mm[./45 in]Product I ength19.45 mm[.127 in]Product Width47.55 mm[1.872 in]Product I ength19.6 mm[.127 in]Product I ength19.6 mm[.127 in]Product I ength19.9 mm[.45 in]Product I ength19.0 mm[.127 in]Usage Conditions19.0 mm[.127 in]Operating Temperature (Max)(55 mm[.1872 in]Operating Temperature Range40 - 125 mm[.127 in][.20 mm[.127 in][.20 mm]UL Flammability RatingUL 24HBPackaging Quantity400Packaging MethodPackagePackaging MethodPackage	Contact Size	Size 16
Contact Current Rating (Max) 13 A Mechanical Attachment Yes 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 PBT GF Formation (Rich) PBT GF Connector Mounting Type 4.5 mm(177 in) Dimensions 18.93 mm(745 in) Product Width 4.7 55 mm(1 872 in) Product Width 19.67 mm(1 772 in) Product Length 19.04 mm(772 in) Product Length 19.07 sm(1 872 in) Product Length 19.07 sm(1 872 in) Product Length 19.07 sm(1 872 in) Product Strain 19.07 sm(1 872 in) Product Length 19.07 sm(1 872 in) Uterry Standards 19.07 sm(1 872 in) Product Strain Relief 40 in 125 °C[4 0 in 257 °F] Industry Standards Uterry Standards Protection IP67 Ut Hammability Rating Uterry Standards Protection IP67	Contact Type	Pin
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Terminal Position Assurance Yea Strain Rolief Add By Accessory Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features BBT GF Former Height PBT GF Connector Height 18.93 mm[.177 in] Demostors 18.93 mm[.175 in] Connector Height 18.93 mm[.172 in] Product Width 47.55 mm[1.872 in] Product Vidth 47.55 mm[1.872 in] Product Length 19.6 mm[.772 in] Operating Temperature (Max) 0°C, 5, 50, °C, 80, °C, 80, °C, 90, °C, 100 °C, 155 °C[1.90 °C, 100 °C, 510 °C, 51	Contact Current Rating (Max)	13 A
strain Relief Add By Accessory Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Free-Hanging) Housing Features BBT GF Centerline (Pitch) PBT GF Connector Height PBT GT Domensions So mm[.177 in] Product Width 47.55 mm[1.872 in] Product Width 9.6 mm[.772 in] Product Length 18.93 mm[.772 in] Product Length 9.6 mm[.772 in] Operating Temperature (Max) So ^o ₁ C, 75 ^o ₁ C, 80 ^o ₁ C, 85 ^o ₂ C, 90 ^o ₂ C, 100 ^o ₁ C, 120 ^o ₂ C, 125 ^o ₂ C[158 ^o ₂ F][112 ^o ₁ F][12 ^o ₂ F][112 ^o ₁ F][12 ^o ₂ F][112 ^o ₁ F][12 ^o _1F][12 ^o _1F][12 ^o _1F	Mechanical Attachment	
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Mating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPBT GFI fousing MaterialPBT GFCenterline (Pitch)4.5 mm[.177 in]DimensionsSecond Mount (Free Hanging)Connector Height18.93 mm[.745 in]Product Width4.5 smm[1.872 in]Product Length19.6 mm[.772 in]Operating Temperature (Max)20 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][147 °F]Operating Temperature (Max)20 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][147 °F]Operating Temperature Range40 - 125 °C[40 - 257 °F]Operating Temperature RangeHoffUL Flammability RatingUL 944 HBPackaging Ouantity400Packaging MethodPackaging MethodPackaging MethodPackaging Method	Strain Relief	Add By Accessory
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Housing MaterialPBT GFHousing Material4.5 mm[.177 in]Centerline (Pitch)4.5 mm[.177 in]Dimensions18.93 mm[.745 in]Product Width47.55 mm[1.872 in]Product Uength19.6 mm[.772 in]Usage Conditions70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 ° F][1168 °F][194 °F][212 °F][221 °F][220 °F]Operating Temperature (Max)70 °C, 75 °C, 80 °C, 255 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C[158 °F][167 ° F]Operating Temperature Range-40 - 125 °C[-40 - 257 °F]Industry StandardsUL Planmability RatingUL Flammability RatingUL 941 IBPackaging Quantity400Packaging MethodPackageOther	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch)4.5 mm[.177 in]DimensionsConnector Height18.93 mm[.745 in]Product Width47.55 mm[1.872 in]Product Length19.6 mm[.772 in]Usage Conditions70°C, 75°C, 80°C, 85°C, 90°C, 100°C, 100°C, 100°C, 110°C, 120°C, 125°C(158°F)[167°Operating Temperature (Max)70°C, 75°C, 80°C, 85°C, 90°C, 100°C, 100°C, 110°C, 120°C, 125°C(158°F)[167°Operating Temperature Range-40 - 125°C(-40 - 257°F]Operating Temperature Range-40 - 125°C(-40 - 257°F]Industry StandardsUI 94HBUL Flammability RatingUI 94HBPackaging Quantity400Packaging MethodPackageOtherMarce	Housing Features	
Dimensions Connector Height 18.93 mm[.745 in] Product Width 47.55 mm[1.872 in] Product Length 19.6 mm[.772 in] Product Length 19.6 mm[.772 in] USUBLE Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][176 °F][152 °F][212 °F][221 °F][221 °F][230 °F] Operating Temperature Range -40 - 125 °C[-40 - 257 °F] Degree of Protection IP67 UL Flammability Rating UL 94 HB Packaging Quantity 400 Packaging Method Packaging Method Packaging Method Packaging Method	Housing Material	PBT GF
Connector Height18.93 mm[.745 in]Product Width47.55 mm[1.872 in]Product Length19.6 mm[.772 in]Usage ConditionsOperating Temperature (Max)Operating Temperature (Max)70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 125 °C[158 °F][194 °F][212 °F][221 °F][223 °F][248 °F][257 °F]Operating Temperature Range-40 - 125 °C[.40 - 257 °F]Operating Temperature RangeIP67UL Flammability RatingUL 94HBPackaging Quantity400Packaging MethodPackaging MethodPackaging MethodPackaging Method	Centerline (Pitch)	4.5 mm[.177 in]
Product Width47.55 mm[1.872 in]Product Length19.6 mm[.772 in]Usage ConditionsOperating Temperature (Max)70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][176 °F][176 °F][178 °F][192 °F][221 °F][230 °F][248 °F][257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry StandardsUL Planmability RatingUL Flammability RatingUL 94HBPackaging Quantity400Packaging MethodPackageOtherIndustry Standards	Dimensions	
Product Length19.6 mm[.772 in]Usage Conditions70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 ° F][176 °F][155 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Operating Temperature RangeUL 94 HBDegree of ProtectionIP67UL Flammability RatingUL 94 HBPackaging Features400Packaging MethodPackaging MethodPackaging MethodPackaging Method	Connector Height	18.93 mm[.745 in]
Usage Conditions Operating Temperature (Max) Operating Temperature (Max) Operating Temperature Range Operating Temperature Range	Product Width	47.55 mm[1.872 in]
Operating Temperature (Max)70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][220 °F][221 °F][220 °F][248 °F][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 Quantity400Packaging MethodPackageOther	Product Length	19.6 mm[.772 in]
105 °C, 110 °C, 125 °C[158 °F][167 ° F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F]Operating Temperature Range-40 – 125 °C[-40 – 257 °F]Industry Standards-40 – 125 °C[-40 – 257 °F]Industry StandardsUl pare of ProtectionUL Flammability RatingUL 94HBPackaging Guantity400Packaging MethodPackageCherUl package	Usage Conditions	
Industry Standards Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Features 400 Packaging Method Package Other V	Operating Temperature (Max)	105 °C, 110 °C, 120 °C, 125 °C[158 °F][167 ° F][176 °F][185 °F][194 °F][212 °F][221 °F][230
Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Features VUL 94HB Packaging Quantity 400 Packaging Method Package Other VUL 94HB	Operating Temperature Range	-40 – 125 °C[-40 – 257 °F]
UL Flammability Rating UL 94HB Packaging Features 400 Packaging Method Package Other Vackage	Industry Standards	
Packaging Features 400 Packaging Method Package Other Packaging Method	Degree of Protection	IP67
Packaging Quantity400Packaging MethodPackageOtherPackage	UL Flammability Rating	UL 94HB
Packaging Method Package Other	Packaging Features	
Other	Packaging Quantity	400
	Packaging Method	Package
Serviceable Yes	Other	
	Serviceable	Yes

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Housing for Male Terminals, Wire-to-Wire, 2 Position, .177 in [4.5 mm] Centerline, Sealable, Yellow, Cable Mount (Free-Hanging), AMPSEAL 16



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) 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

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

Housing for Male Terminals, Wire-to-Wire, 2 Position, .177 in [4.5 mm] Centerline, Sealable, Yellow, Cable Mount (Free-Hanging), AMPSEAL 16

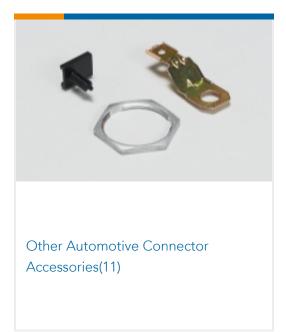




Also in the Series | AMPSEAL 16



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

Housing for Male Terminals, Wire-to-Wire, 2 Position, .177 in [4.5 mm] Centerline, Sealable, Yellow, Cable Mount (Free-Hanging), AMPSEAL 16





Documents

Product Drawings AS 16, 2P CAP ASSY, RD, KEY 3

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_776534-3_D_c-776534-3-d.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_776534-3_D_c-776534-3-d.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_776534-3_D_c-776534-3-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.)

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