776534-2 - ACTIVE

AMP | AMPSEAL 16

TE Internal #: 776534-2 Housing for Male Terminals, Wire-to-Wire, 2 Position, .177 in [4.5 mm] Centerline, Sealable, Gray, Cable Mount (Free-Hanging), AMPSEAL 16

View on TE.com >



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	Gray	

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



Contact SizeSize 1AContact TypePinMating Pin Diameter1.5 mm(069 in)Contact Current Rating (Max)1.3 AContact Current Rating (Max)VasMating AlignmentYasStrain ReliefAdd By AccessoryMating Alignment TypeKeycalMating Alignment TypeCable Mount (Free-Hanging)Connector Mounting TypeCable Mount (Free-Hanging)Connector Mounting TypeDBT GFContect IneightPRT GFConnector Height1.8.93 mm(745 in]Product Width4.5.3 mm(1.872 in]Product Width9.6.9 mm(1.722 in]Product Registh1.9.6 mm(1.722 in]Product SizeStrain (Type Size Size Size Size Size Size Size Siz		
Contact SizeSize 16Contact TypePinMating Pin Diameter1.5 mm(.059 ki)Contact Current Rating (Max)1.3 AContact Current Rating (Max)YasMating Pin DiameterYasMating Alignment TypeKayedMating Alignment TypeKayedMating Alignment TypeCable Mount (Free-Hanging)Connector Mounting TypeCable Mount (Free-Hanging)Housing MaterialPAT GFConnector HolghtPAT GFConnector Holght1.8/3 mm(.745 in]Product Witch4.5/56 mm(1.872 in]Product Nich1.9/3 mm(.745 in]Product Uright9.0 mm(.772 in]Product StatementStrong Control (Strong Current)	Connector & Keying Code	2
Contact TypePinMating Pin Diameter1.5 mm(059 in)Contact Current Rating (Max)13.4Contact Current Rating (Max)VesMating Position AssuranceVesStrain ReliefAdd By AccessoryMating Alignment TypeKeyedMating Alignment TypeCable Mount (Free Hanging)Housing MaterialPBT GFConnector Mounting TypePBT GFHousing Material18.93 mm[745 in]Connector Height18.93 mm[745 in]Product Width7.55 mm(1 a72 in)Product Width9.65 mm(1 a72 in)Product Length19.6 mm[772 in]Product Length0.7 (57 c) (S, S) c) (S) c) (S	Contact Features	
Mating Pin Diameter1.5 mm[.059 in]Contact Current Rating (Max)13.AMachanical AttachmentYesTerminal Position AssuranceVesStrain RollefAdd By AccessoryMating Alignment TypeKeyedMating Alignment TypeCable Mount (Free-Harright)Connector Mounting TypeCable Mount (Free-Harright)Housing MaterialPBT GFCenterline (Pitch)Aff. Smm[.475 in]Product Height18.93 mm[.475 in]Product Width47.35 mm[1.872 in]Product Length90 °C, 75 °C, 60 °C, 100 °C	Contact Size	Size 16
Contact Current Rating (Max) 13 A Machanical Attachment Yes Terminal Position Assurance Keyd Strain Relief Add By Accessory Mating Alignment Type Keyd Mating Alignment With Connector Mounting Type Cable Mount (FreeHanging) Housing Material PBT GF Contection (Pitch) Afform (177 in) Product Length 18.93 mm(745 in) Product Width 47.55 mm(1872 in) Product Length 19.64 mm(177 in) Product Length 9.65 mm(1872 in) Operating Temperature (Max) 9.75 mm(1872 in) Operating Temperature (Max) Song Conflictore Uperating Temperature (Max) Song Conflictore (110 mm (172 in)) Product Length 1.64 mm(172 in)) Operating Temperature (Max) Song Conflictore (110 mm (172 in)) Uperating Temperature (Max) Song Conflictore (110 mm (172 in)) Intermediation 1.64 mm (172 in)) Intermediation 1.60	Contact Type	Pin
Machanical Attachment Yes Terminal Position Assurance Yes Strain Relief Add Ry Accessory Mating Alignment Type Keyed Matting Alignment Wth Connector Mounting Type Cable Mount (Free Hanging) Housing Material PB 1 Gl Connector Mounting Type PB 1 Gl Catelline (Pitch) Atsm(1/1/ in) Connector Height 18/3 mm(1/45 in) Product Width Af 5 mm(1/37 in) Product Length 18/3 mm(1/45 in) Product Length 19/5 mm(1/37 in) Product Length 10/2 mm(1/37 in) Product Length 19/5 mm(1/37 in) Product Length 10/2 mm(1/37 in)	Mating Pin Diameter	1.5 mm[.059 in]
Terminal Position Assurance Yea Terminal Position Assurance Yea Strain Rolief Add By Accessory Mating Alignment Type Keyed Mating Alignment With Connector Mounting Type Cable Mount (Tree-Hanging) Housing Material PBT GF Rousing Material PBT GF Connector Height 18.93 mm[.745 in] Product Width 4.55 mm[.372 in] Product Width 19.65 mm[.372 in] Product Length 19.65 mm[.372 in] Operating Temperature (Max) 01°C.75 °C, 80 °C, 85 °C, 80 °C, 180 °C, 180 °C, 190 °C,	Contact Current Rating (Max)	13 A
Strain ReliefAdd By AccessoryMating Alignment TypeKeyedMating AlignmentWithConnector Mounting TypeCable Mount (Free Hanging)Housing MaterialPBT GFCenterline (Pitch)PBT GFCenterline (Pitch)18.93 mn[.717 in]DimensionsSo mn[.177 in]Product Width18.93 mn[.745 in]Product Width19.6 mm[.172 in]Product Length19.6 mm[.172 in]Operating Temperature (Max)Of C, / So C, So	Mechanical Attachment	
Mating Alignment TypeKeyedMating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPBT GFCenterline (Pitch)PBT GFCenterline (Pitch)8.93 mm[.775 in]DimensionsSom (1.872 in)Product Width19.55 mm[1.872 in]Product Length19.6 mm[.772 in]Product Length19.6 mm[.772 in]Operating Temperature (Max)Operating Temperature (Max)Operating Temperature Range40.125 °C[.40.257 °F]Operating Temperature RangeUL 91HBPackaging Ouantity400Packaging MethodPackaging Method	Terminal Position Assurance	Yes
Mating AlignmentWithConnector Mounting TypeCable Mount (Free-Hanging)Housing FeaturesPBT GFHousing MaterialPBT GFCenterline (Pitch)A.5 mm[.177 in]DimensionsSemi[.175 in]Connector Height18.93 mm[.745 in]Product Width4.55 mm[.872 in]Product Length19.6 mm[.772 in]Product Length19.6 mm[.772 in]Operating Temperature (Max)Of C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 110 °C, 120 °C, 125 °C, 120 °C, 125 °C, 110 °C, 120 °C, 125 °C, 120 °C, 125 °C, 120 °C, 125 °C, 120 °C, 125 °C, 110 °C, 120 °C, 125 °C, 120 °C, 125 °C, 120 °C, 125 °C, 120 °C, 125 °C, 120 °C,	Strain Relief	Add By Accessory
Connector Mounting Type Cable Mount (Free Hanging) Housing Features PBT GF Housing Material PBT GF Centerline (Pitch) 4.5 mm[.177 in] Dimensions 18.93 mm[.745 in] Product Width 47.55 mm[1.872 in] Product Length 19.64 mm[.772 in] Operating Temperature (Max) 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 110 °C, 128 °C[188 °F][187 °F	Mating Alignment Type	Keyed
Housing Features Housing Material PBT GF Centerline (Pitch) 4.5 mm[.177 in] Dimensions 5 Connector Height 18.93 mm[.745 in] Product Width 47.55 mm[1.872 in] Product Length 19.6 mm[.772 in] Usage Conditions 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][191 °F][212 °F][221 °F][230 °F][248 °F][257 °F] Operating Temperature (Max) 70 °C, 75 °C, 60 °C, 85 °C, 90 °C, 100 °C, 125 °C[158 °F][167 °F][176 °F][185 °F][191 °F][212 °F][221 °F][230 °F][248 °F][257 °F] Operating Temperature Range 40 = 125 °C[40 = 257 °F] Industry Standards 1167 UL Planmability Rating UL 94HB Packaging Quantity 400 Packaging Method Packaging Method	Mating Alignment	With
Housing MaterialPBT GFHousing MaterialPBT GFCenterline (Pitch)4.5 mm[.177 in]Dimensions18.93 mm[.745 in]Product Width47.55 mm[1.872 in]Product Width9.6 mm[.772 in]Product Length19.6 mm[.772 in]Operating Temperature (Max)70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 125 °C[158 °F][167 °F][176 °F][188 °F][194 °F][212 °F][220 °F][220 °F]Operating Temperature Range-40 -125 °C[-40 - 257 °F]Operating Temperature RangeIP67UL Flammability RatingUL 94HBPackaging Quantity400Packaging MethodPackageng MethodOther	Connector Mounting Type	Cable Mount (Free-Hanging)
Centerline (Pitch) 4.5 mm[.177 in] Dimensions 8.93 mm[.745 in] Connector Height 8.93 mm[.745 in] Product Width 47.55 mm[1.872 in] Product Length 19.6 mm[.772 in] Voge Conditions 50°C, 75°C, 80°C, 85°C, 90°C, 10°C, 10°C, 10°C, 120°C, 120	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] Usage Conditions 5° C, 75° C, 80° C, 85° C, 90° C, 100° C, 120° C, 1	Housing Material	PBT GF
Connector Height18.93 mm[7.45 in]Product Width47.55 mm[1.872 in]Product Length19.6 mm[7.72 in]Usage Conditions50° C, 75° C, 80° C, 85° C, 90° C, 100° C, 10° C, 12° C; 110° C; 12° C; 12° C; 110° C; 12° C; 110° C; 12° C; 12° C; 12° C; 12° C; 12° C	Centerline (Pitch)	4.5 mm[.177 in]
Product Width47.55 mm[1.872 in]Product Length19.6 mm[772 in]Product Length19.6 mm[772 in]Usage Conditions0°C, 75 °C, 80°C, 85 °C, 90°C, 100 °C, 10°C, 120 °C, 125 °C] 158 °F][167 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F]Operating Temperature (Max)40 - 125 °C]-40 - 257 °F]Operating Temperature Range40 - 125 °C]-40 - 257 °F]Industry Standards1167U. Flammability Rating10 94 HBPackaging Quantity400Packaging MethodPackageOther1160	Dimensions	
Product Length 19.6 mm[.772 in] Usage Conditions 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °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 Range UL 94 HB Packaging Features UL 94 HB Packaging Quantity 400 Packaging Method Packaging Method	Connector Height	18.93 mm[.745 in]
Usage Conditions Usage Conditions 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C[158 °F][194 °F][212 °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 Standards UL Flammability Rating Packaging Features UL 94HB Packaging Method 400 Packaging Method Packaging Method	Product Width	47.55 mm[1.872 in]
A constructionA constructionOperating Temperature (Max) $70 ^{\circ}$ C, 75 $^{\circ}$ C, 80 $^{\circ}$ C, 85 $^{\circ}$ C, 90 $^{\circ}$ C, 100 $^{\circ}$ C, 125 $^{\circ}$ C, 110 $^{\circ}$ C, 120 $^{\circ}$ C, 125 $^{\circ}$ C, 110 $^{\circ}$ C, 125 $^{\circ}$ C, 125 $^{\circ}$ C, 125 $^{\circ}$ C, 110 $^{\circ}$ C, 125 $^{\circ}$	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 StandardsU Packaging ProtectionVL Flammability RatingVL 94HBPackaging Quantity400Packaging MethodPackagePackaging MethodPackageCtherVL 94HBCharterVL 94HBCharterVL 94HBPackaging MethodMOPackaging MethodPackagePackaging MethodPackageCharterVL 94HBCharterVL 94HBCharterVL 94HBPackaging MethodPackagePackaging MethodPackage	Usage Conditions	
Industry Standards Degree of Protection IP67 UL Flammability Rating UL 94HB Packaging Features Packaging Quantity 400 Packaging Method Packagen	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	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

Housing for Male Terminals, Wire-to-Wire, 2 Position, .177 in [4.5 mm] Centerline, Sealable, Gray, 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

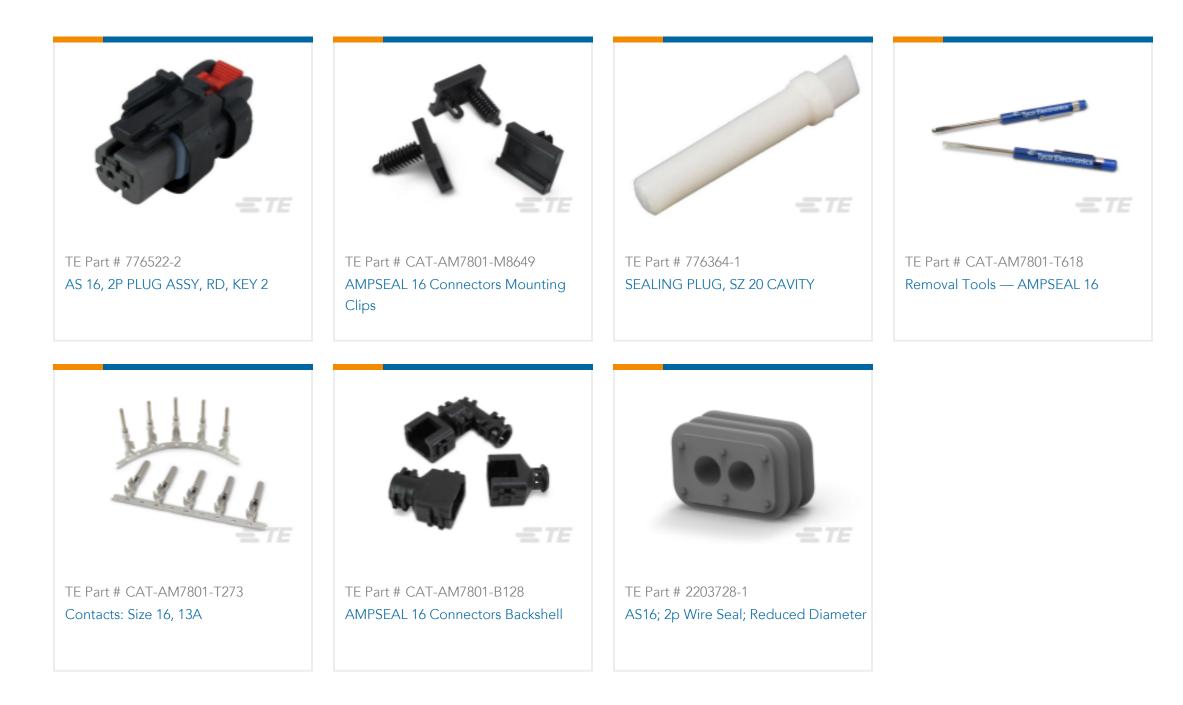
Product Compliance Disclaimer

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, Gray, Cable Mount (Free-Hanging), AMPSEAL 16

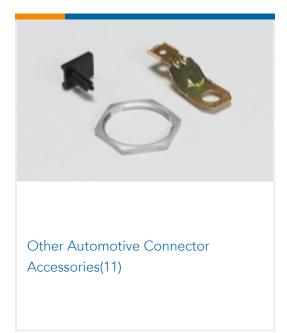




Also in the Series | AMPSEAL 16



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)

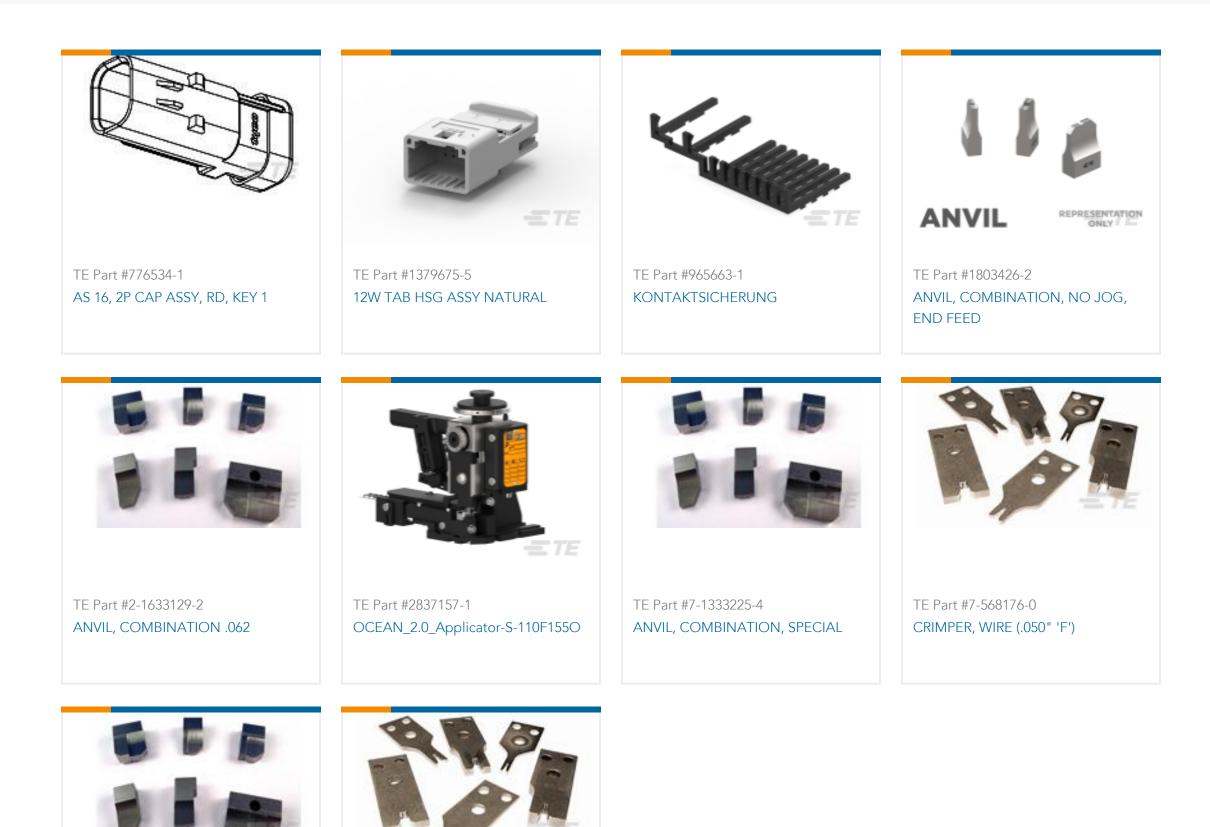


Customers Also Bought

C For support call+1 800 522 6752

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





TE Part #852141-1 ANVIL, LEFT (DUAL)



Documents

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

English

CAD Files

3D PDF

3D

Customer View Model

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

English

Customer View Model

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

English

Customer View Model

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

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

C For support call+1 800 522 6752

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



ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Instruction Sheets Instruction Sheet (U.S.)

English