



## CONNECTOR HOUSINGS



Active

PRODUCT DRAWING  
English

3D PDF

TE CONNECTIVITY (TE)

### AS 16, 8P CAP ASSY, KEY 2

AMP | AMPSEAL 16

776495-2

TE Internal Number: 776495-2

Always EU RoHS/ELV Compliant

Connector Style **Housing for male terminals**

Mating Pin Diameter **1.5 mm [ .059 in ]**

Number of Positions **8**

Pitch **4.5 mm [ .177 in ]**

Sealed **Yes**

#### Product Drawings

[CAP ASSEMBLY, 8 POSITION, DUAL ROW, AMPSEAL 16](#)

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English

#### CAD Files

[3D PDF](#)

PDF  
3D

[Customer View Model](#)

2D\_DXF.ZIP  
English

[Customer View Model](#)

3D\_IGS.ZIP  
English

[Customer View Model](#)

3D\_STP.ZIP  
English

#### Product Specifications

Product Specification

[AMPSEAL 16 Connector System](#)

PDF  
English

Application Specification

[AMPSEAL 16 Connector System](#)

PDF  
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Qualification Test Report

[AMPSEAL 16\\* Connector System](#)

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#### Instruction Sheets

Instruction Sheet (U.S.)

[AMPSEAL 16 Connector System](#)



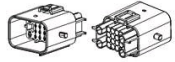

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Product Type Features	Connector Style	<b>Housing for male terminals</b>
	Sealed	<b>Yes</b>
	Hybrid Connector	<b>No</b>
	Primary Locking Feature	<b>Integrated in Housing</b>
	Connector System	<b>Wire-to-Wire</b>
	Row-to-Row Spacing	<b>5.3 mm [ .209 in ]</b>
	Strain Relief	<b>Add By Accessory</b>
Configuration Features	Number of Positions	<b>8</b>
	Number of Rows	<b>2</b>
Electrical Characteristics	Nominal Voltage Architecture (V)	<b>12, 24, 42, 48, 80, 90, 125, 240</b>
	Operating Voltage (VDC)	<b>250</b>
Body Features	Cable Exit Angle	<b>180°</b>
	Body Material	<b>PBT GF</b>
	Color	<b>Gray</b>
Contact Features	Mating Pin Diameter	<b>1.5 mm [ .059 in ]</b>
Mechanical Attachment	Terminal Position Assurance	<b>Yes</b>
	Mounting Feature	<b>Yes</b>
	Polarized	<b>Yes</b>
Housing Features	Pitch	<b>4.5 mm [ .177 in ]</b>
Dimensions	Width	<b>47.55 mm [ 1.872 in ]</b>
	Height	<b>26.65 mm [ 1.049 in ]</b>
	Length	<b>28.6 mm [ 1.126 in ]</b>
Usage Conditions	Operating Temperature (Max) (°C)	<b>70, 75, 80, 85, 90, 100, 105, 110, 120, 125</b>
	Operating Temperature (Max) (°F)	<b>158, 167, 176, 185, 194, 212, 221, 230, 248, 257</b>
	Operating Temperature Range	<b>-40 – 125 °C [ -40 – 257 °F ]</b>
Industry Standards	Degree of Protection	<b>IP6K9K</b>
	UL Flammability Rating	<b>UL 94-HB</b>

Packaging Features	Packaging Method	<b>Package</b>
	Packaging Quantity	<b>250</b>
Other	Connector Position Assurance Capable	<b>Yes</b>
	Serviceable	<b>Yes</b>

Product Compliance [Statement of Compliance PDF](#)  
[VIEW ALL PRODUCT COMPLIANCE](#)

## CUSTOMERS ALSO BOUGHT

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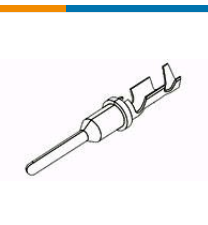
Relation Type ▼

### RELATIONSHIP

#### Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)

	<p>PRODUCT - CONTACTS</p> <p>Connectors - Automotive, Truck, Bus, &amp; Off-Road Terminals          AMPI AMPSEAL 16</p> <p><b>PIN CONTACT(W-W/PLATED) - 638078-1</b>          TE INTERNAL NUMBER: 638078-1</p> <p>✓ Active</p>	<p><b>Always EU RoHS/ELV Compliant</b></p> <p>Terminal Style <b>Pin/Tab</b></p> <p>Sealed <b>No</b></p> <p>Wire Size Search <b>.75 mm<sup>2</sup>, .85 mm<sup>2</sup>, 1 mm<sup>2</sup>, 1.25 mm<sup>2</sup>, 1.3 mm<sup>2</sup>, 1.4 mm<sup>2</sup>, 1.5 mm<sup>2</sup>, 2 mm<sup>2</sup></b></p> <p>Interface Plating <b>Tin (Sn)</b></p> <p>Termination Method <b>Crimp</b></p>	<input checked="" type="checkbox"/>
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RELATIONSHIP

### Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)

PRODUCT - CONTACTS



Connectors - Automotive, Truck, Bus, & Off-Road Terminals

AMPI AMPSEAL 16

### PIN CONTACT W/W - 638078-3

TE INTERNAL NUMBER: 638078-3

✓ Active

Always EU RoHS/ELV Compliant

Terminal Style **Pin/Tab**

Sealed **No**

Wire Size Search **.75 mm<sup>2</sup>, .85 mm<sup>2</sup>, 1 mm<sup>2</sup>, 1.25 mm<sup>2</sup>, 1.3 mm<sup>2</sup>, 1.4 mm<sup>2</sup>, 1.5 mm<sup>2</sup>, 2 mm<sup>2</sup>**

Interface Plating **Tin (Sn)**

Termination Method **Crimp**



RELATIONSHIP

### Contacts

Identifies Contacts compatible with a given Housing

[See All Contacts](#)

PRODUCT - CONTACTS



Connectors - Automotive, Truck, Bus, & Off-Road Terminals

AMPI AMPSEAL 16

### PIN CONTACT (PLATED) - 638112-1

TE INTERNAL NUMBER: 638112-1

✓ Active

Always EU RoHS/ELV Compliant

Terminal Style **Pin/Tab**

Sealed **No**

Wire Size Search **.75 mm<sup>2</sup>, .85 mm<sup>2</sup>, 1 mm<sup>2</sup>, 1.25 mm<sup>2</sup>, 1.3 mm<sup>2</sup>, 1.4 mm<sup>2</sup>, 1.5 mm<sup>2</sup>, 2 mm<sup>2</sup>**

Interface Plating **Gold (Au)**

Termination Method **Crimp**

