

2320917-1 ✓ ACTIVE

AMP | AMPSEAL 16

TE Internal #: 2320917-1

Housing for Male Terminals, Wire-to-Wire / Wire-to-Device, 8
Position, .177 in [4.5 mm] Centerline, Sealable, Gray, Wire & Cable,
AMPSEAL 16

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Connectors > Automotive Connectors > Automotive Housings > AMPSEAL 16 Housings



Connector System: **Wire-to-Device, Wire-to-Wire**

Number of Positions: **8**

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 | No |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Device, Wire-to-Wire |
| Connector & Housing Type | Housing for Male Terminals |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Primary Locking Feature | Integrated in Housing |

Configuration Features

| | |
|-----------------------|---|
| Blank Cavity Position | 0 |
| Number of Positions | 8 |
| Number of Rows | 2 |

Electrical Characteristics



| | |
|-------------------|---------|
| Operating Voltage | 250 VAC |
|-------------------|---------|

| | |
|------------------------------|------|
| Nominal Voltage Architecture | 12 V |
|------------------------------|------|

Body Features

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|------------------|------|
| Cable Exit Angle | 180° |
|------------------|------|

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|-----------------------|------|
| Primary Product Color | Gray |
|-----------------------|------|

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|-------------------------|---|
| Connector & Keying Code | 1 |
|-------------------------|---|

Contact Features

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|--------------|---------|
| Contact Size | Size 16 |
|--------------|---------|

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|--------------|-----|
| Contact Type | Pin |
|--------------|-----|

| | |
|---------------------|-------------------|
| Mating Pin Diameter | 1.59 mm [.062 in] |
|---------------------|-------------------|

| | |
|------------------------------|------|
| Contact Current Rating (Max) | 13 A |
|------------------------------|------|

Mechanical Attachment

| | |
|-----------------------------|-----|
| Terminal Position Assurance | Yes |
|-----------------------------|-----|

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|---------------|------------------|
| Strain Relief | Add By Accessory |
|---------------|------------------|

| | |
|-----------------------|-------|
| Mating Alignment Type | Keyed |
|-----------------------|-------|

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|------------------|------|
| Mating Alignment | With |
|------------------|------|

| | |
|-------------------------|----------------------------|
| Connector Mounting Type | Cable Mount (Free-Hanging) |
|-------------------------|----------------------------|

Housing Features

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|------------------|--------|
| Housing Material | PBT GF |
|------------------|--------|

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|--------------------|------------------|
| Centerline (Pitch) | 4.5 mm [.177 in] |
|--------------------|------------------|

Dimensions

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|------------------|---------------------|
| Connector Height | 26.65 mm [1.049 in] |
|------------------|---------------------|

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|---------------|--------------------|
| Product Width | 28.6 mm [1.126 in] |
|---------------|--------------------|

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|----------------|---------------------|
| Product Length | 47.55 mm [1.872 in] |
|----------------|---------------------|

| | |
|--------------------|------------------|
| Row-to-Row Spacing | 5.3 mm [.209 in] |
|--------------------|------------------|

Usage Conditions

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|-----------------------------|---|
| Operating Temperature (Max) | 70 °C, 75 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C, 145 °C, 150 °C [158 °F] [167 °F] [176 °F] [185 °F] [194 °F] [212 °F] [221 °F] [230 °F] [248 °F] [257 °F] [266 °F] [284 °F] [293 °F] [302 °F] |
|-----------------------------|---|

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -40 – 150 °C [-40 – 302 °F] |
|-----------------------------|-----------------------------|

Operation/Application



| | |
|---------------------|---------------|
| Circuit Application | Power, Signal |
|---------------------|---------------|

Industry Standards

| | |
|------------------------|----------|
| Degree of Protection | IP67 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Other

| | |
|--------------------------------------|-----|
| Serviceable | Yes |
| 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 | <p>Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component part) Decamethylcyclopentasiloxane (D5) (.5% in Component part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component part)</p> <p>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.</p> |
|--|---|

| | |
|-----------------|--|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
|-----------------|--|

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|---------------------------|--|
| Solder Process Capability | Not reviewed 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-B128
AMPSEAL 16 Connectors Backshell




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

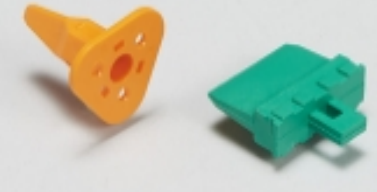


TE Part # CAT-AM7801-CH8172
AMPSEAL 16 Housings


Also in the Series | AMPSEAL 16



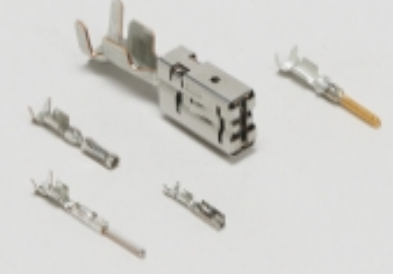
Automotive Connector Caps & Covers (1)




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)



Other Automotive Connector Accessories(11)

Customers Also Bought



TE Part #788189-2
CPC 17-3 RCPT ASY, REV SEX



TE Part #2-330648-1
PIDG 22-16 22-18 MIL R 4; TAPE



TE Part #2177090-3
STEEL, OUTER FERRULE, 8MM HV,
25SQMM



TE Part #1-1633961-2
CRIMPER, INSULATION F PREMIUM
25SQMM



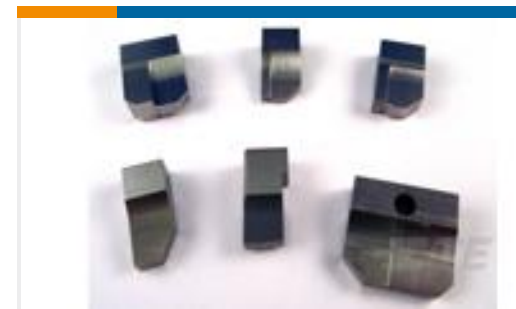
TE Part #1587940-3
CABLE SEAL RETAINER, SIZE C



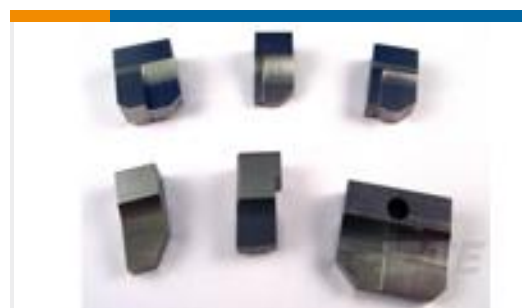
TE Part #2103013-3
CABLE SEAL RETAINER, SIZE 2, OR,
HVA280



TE Part #2208669-3
8MM HV, CONTACT, ASSY



TE Part #4-1633932-0
ANVIL, COMBINATION



TE Part #464291-5
ANVIL, SAND-BLASTED 12-10



TE Part #YHV280-2PM-P-4MM-B
HVA280-2pmm, pass, 4sqmm, Key B

Documents

Product Drawings

8POS, AMPSEAL 16, PIN HSG ASSY, SLD, COD 1

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_2320917-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2320917-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2320917-1_A.3d_stp.zip](#)

English

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Product Specifications



Application Specification

English