



Connectors > Automotive Connectors > Automotive Housings > AMPSEAL Receptacle Housings



Connector System: **Wire-to-Board**  
Number of Positions: **14**  
Connector & Housing Type: **Housing for Female Terminals**  
Centerline (Pitch): **4 mm [ .157 in ]**  
Sealable: **Yes**

[All AMPSEAL Receptacle Housings \(31\)](#)

Features

Product Type Features

|                                   |                              |
|-----------------------------------|------------------------------|
| Mixed & Hybrid Connector          | No                           |
| Connector Shape                   | Rectangular                  |
| Connector System                  | Wire-to-Board                |
| Connector & Housing Type          | Housing for Female Terminals |
| Sealable                          | Yes                          |
| Connector & Contact Terminates To | Wire & Cable                 |
| Primary Locking Feature           | Integrated in Housing        |

Configuration Features

|                     |    |
|---------------------|----|
| Number of Positions | 14 |
| Number of Rows      | 3  |

Electrical Characteristics

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



|                              |       |
|------------------------------|-------|
| Nominal Voltage Architecture | 250 V |
|------------------------------|-------|

Body Features

|                         |         |
|-------------------------|---------|
| Cable Exit Angle        | 180°    |
| Primary Product Color   | Natural |
| Connector & Keying Code | 2       |

Contact Features

|                              |                 |
|------------------------------|-----------------|
| Contact Size                 | 1.3mm           |
| Contact Type                 | Socket          |
| Mating Pin Diameter          | 1.3 mm[.051 in] |
| Contact Current Rating (Max) | 17 A            |

Mechanical Attachment

|                             |                            |
|-----------------------------|----------------------------|
| Terminal Position Assurance | Yes                        |
| Strain Relief               | Without                    |
| Mating Alignment Type       | Keyed                      |
| Mating Alignment            | With                       |
| Connector Mounting Type     | Cable Mount (Free-Hanging) |

Housing Features

|                    |               |
|--------------------|---------------|
| Housing Material   | PBT GF        |
| Centerline (Pitch) | 4 mm[.157 in] |

Dimensions

|                    |                   |
|--------------------|-------------------|
| Connector Height   | 34.6 mm[1.362 in] |
| Product Width      | 33.6 mm[1.323 in] |
| Product Length     | 35.4 mm[1.394 in] |
| Row-to-Row Spacing | 4 mm[.157 in]     |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature (Max) | 125 °C[257 °F]             |
| Operating Temperature Range | -40 - 125 °C[-40 - 257 °F] |

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
|---------------------|----------------|

Industry Standards

|                        |             |
|------------------------|-------------|
| Degree of Protection   | IP67, IP69K |
| UL Flammability Rating | UL 94V-0    |



Packaging Features

|                    |         |
|--------------------|---------|
| Packaging Quantity | 280     |
| Packaging Method   | Package |

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        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)<br><b>Article Safe Usage Statements:</b><br>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                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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-on-reach>



Compatible Parts



TE Part # CAT-AM78-H342  
AMPSEAL PCB Vertical Headers



TE Part # CAT-AM78-T273  
AMPSEAL Crimp Contacts: 1.3 mm



TE Part # CAT-J04-APHH  
AMPSEAL PCB Right-Angle Headers



TE Part # 2138530-1  
STRAIN RELIEF, 14 POSITION  
AMPSEAL

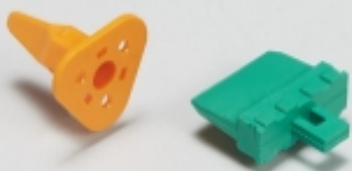


TE Part # 770678-1  
SEAL PLUG, AMPSEAL



TE Part # 2373965-1  
CPA, AMPSEAL

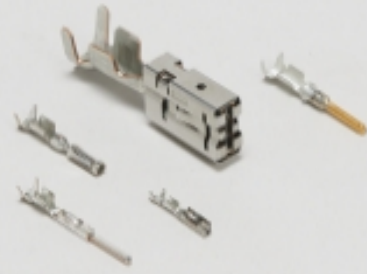
Also in the Series | AMPSEAL



Automotive Connector Locks & Position Assurance(1)



Automotive Housings(31)



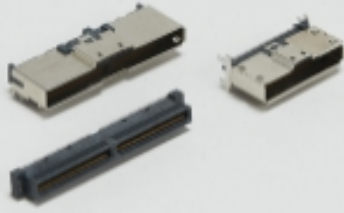
Automotive Terminals(8)



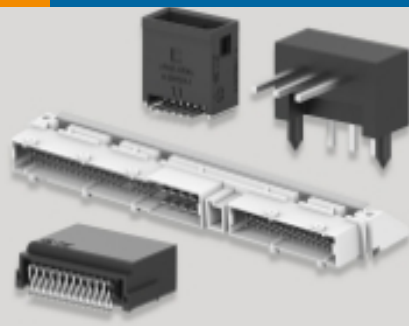
Connector Backshells(4)



Connector Seals & Cavity Plugs(2)



Internal I/O Connectors(1)



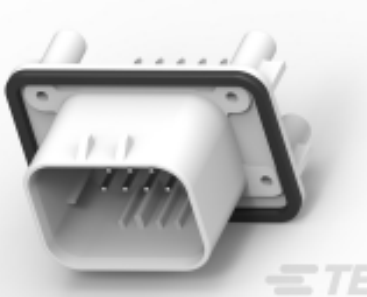
PCB Headers & Receptacles(119)

Customers Also Bought





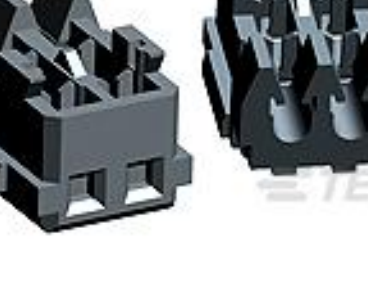
TE Part # 776273-4  
AMPSEAL Receptacle Housings



TE Part # 776262-2  
14POS, PIN DIA 1.3, HDR ASSY,  
180DEG, COD 2



TE Part # 2138530-1  
STRAIN RELIEF, 14 POSITION  
AMPSEAL



TE Part # 353293-9  
MINI CT MT REC ASSY 9P GRAY



TE Part # 5-2176087-2  
RP 1J 0.166W 237R 0.1% 25PPM 1K RL

Documents

Product Drawings

14POS, AMPSEAL, SOC HSG ASSY, SLD, COD 2

English

CAD Files

Customer View Model

ENG\_CVM\_CVM\_776273-2\_E.2d\_dxf.zip

English

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_776273-2\_E.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_776273-2\_E.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

AMPSEAL Connector Catalog

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications



Engineering Report

English

Instruction Sheets

Instruction Sheet (U.S.)

English

Agency Approvals

UL Report

English