



Connectors > Automotive Connectors > Automotive Housings > AMPSEAL 16 Hybrid Lever Housings



Connector System: **Wire-to-Wire**
Number of Positions: **28**
Connector & Housing Type: **Housing for Female Terminals**
Centerline (Pitch): **5.3 mm [.209 in]**
Sealable: **Yes**

[All AMPSEAL 16 Hybrid Lever Housings \(4\)](#)

Features

Product Type Features

| | |
|--------------------------|------------------------------|
| Mixed & Hybrid Connector | Yes |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | Integrated in Housing |

Configuration Features

| | |
|---------------------|----|
| Number of Positions | 28 |
| Number of Rows | 4 |

Electrical Characteristics

| | |
|------------------------------|--|
| Operating Voltage | 550 VDC |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 48 V, 80 V, 90 V, 125 V, 240 V, 500 V, 550 V |



Body Features

| | |
|-------------------------|-------|
| Cable Exit Angle | 90° |
| Primary Product Color | Brown |
| Connector & Keying Code | B |

Contact Features

| | |
|------------------------------|------------------|
| Contact Size | Size 12, Size 16 |
| Contact Current Rating (Max) | 13 A, 25 A |

Mechanical Attachment

| | |
|-----------------------------|----------------------------|
| 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

| | |
|--------------------|-----------------|
| Housing Material | PBT GF |
| Centerline (Pitch) | 5.3 mm[.209 in] |

Dimensions

| | |
|--------------------|--------------------|
| Connector Height | 46.25 mm[1.821 in] |
| Product Width | 82.75 mm[3.258 in] |
| Product Length | 116.5 mm[4.587 in] |
| Row-to-Row Spacing | 5.9 mm[.232 in] |

Usage Conditions

| | |
|-----------------------------|---|
| 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][230 °F][248 °F][257 °F] |
| Operating Temperature Range | -55 - 125 °C[-67 - 257 °F] |

Industry Standards

| | |
|------------------------|---------|
| UL Flammability Rating | UL 94HB |
|------------------------|---------|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 10 |
| Packaging Method | Tray |



Other

| | |
|--------------------------------------|-----|
| Serviceable | Yes |
| Connector Position Assurance Capable | No |

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) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| 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 # 776363-1
SEALING PLUG, SZ 16 CAVITY



TE Part # 2138846-2
CAP ASSY, 28 POS, KEY B, AMPSEAL 16 HL



TE Part # 2138853-1
WIRE EXIT COVER, AMPSEAL 16 HL



TE Part # CAT-AM7801-T273
AMPSEAL 16 CONTACTS





TE Part # 776106-1
EXTRACTION TOOL




TE Part # 1062-12-0144
SOC, SF, SIZE 12, 12-14, AU/SN



TE Part # 1062-12-0222
SOC, SF, SIZE 12, 10, NI/NI


Also in the Series | AMPSEAL 16




Automotive Connector Caps & Covers
(1)




Automotive Connector Locks &
Position Assurance(2)




Automotive Housings(244)



Automotive Terminals(35)



Connector Backshells(86)




Connector Seals & Cavity Plugs(4)



Data Connectivity Headers(2)



Data Connectivity Housings(3)



Other Automotive Connector
Accessories(11)

Customers Also Bought



TE Part # 1011-227-0205
BKSHL, 2P, BLK, PLG, ST, NW6/7.5/8.5
/10



TE Part # 2138852-3
MOUNTING CLIP, 3MM PANEL,
AMPSEAL 16 HL




TE Part # K1021432
Relay 29-311-11




TE Part # DTP2S-BT
BOOT, 2P, PLG, ST, GR







TE Part # 1355469-2
1,6/2,8/5,8TAB-GH42




TE Part # K1011766
Relay 29-214-11




TE Part # NB10626001
ATUM-32/8-0-100MM



TE Part # 2098067-2
Plug Assembly, Hybrid, BCM, IP2, B Key



TE Part # 2098067-6
Plug Assembly, Hybrid, BCM, B2, F Key



TE Part # 1599053-1
.250 SERIES FASTIN-ON TAB

Documents

Product Drawings

PLUG ASSY, 28 POS, KEY B, AMPSEAL 16 HL

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2138839-2_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2138839-2_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2138839-2_B.3d_stp.zip

English

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

Datasheets & Catalog Pages

"AMPSEAL 16 HL" (ICT)

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications



Engineering Report

English