# 2138839-2 ✔ ACTIVE

DEUTSCH | AMPSEAL 16

TE Internal #: 2138839-2

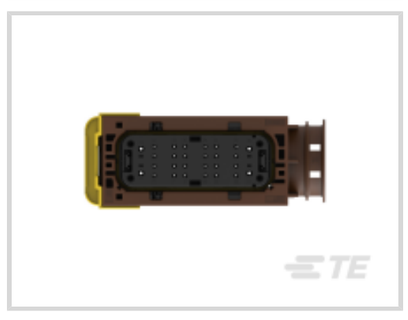
Plug, Wire-to-Wire, 28 Position, 5.3 mm [.209 in] Centerline, Sealable, Brown, Wire & Cable, Power, Cable Mount (Free-Hanging), AMPSEAL 16

View on TE.com >

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







Connector System: **Wire-to-Wire**

Number of Positions: **28**

Connector & Housing Type: **Plug**

Centerline (Pitch): **5.3 mm [ .209 in ]**

Sealable: **Yes**

All AMPSEAL 16 Hybrid Lever Housings (10)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | Yes |
| Connector Shape | Rectangular |
| Connector System | Wire-to-Wire |
| Connector & Housing Type | Plug |
| Sealable | Yes |
| Connector & Contact Terminates To | Wire & Cable |
| Primary Locking Feature | Integrated in Housing |

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 550 VDC |

## Body Features

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

## Contact Features

| | |
|---|---|
| Contact Size | Size 12, Size 16 |
| Mating Pin Diameter | 1.5 mm, 2.4 mm[.062 in][.095 in] |
| Contact Current Rating (Max) | 13 A, 25 A |

## Mechanical Attachment

| | |
|---|---|
| Terminal Position Assurance | Yes |
| Strain Relief | With |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Material | PBT GF20 |
| Centerline (Pitch) | 5.3 mm[.209 in] |

## Dimensions

| | |
|---|---|
| Connector Height | 54.4 mm[2.14 in] |
| Product Width | 46.2 mm[1.82 in] |
| Product Length | 116.5 mm[4.58 in] |
| Row-to-Row Spacing | 11.7 mm, 4.7 mm[.185 in][.46 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature (Max) | 125 °C[257 °F] |
| Operating Temperature Range | -55 – 125 °C[-67 – 257 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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 # 1062-12-0144
SOC, SF, SIZE 12, 12-14, AU/SN



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



TE Part # CAT-AM7801-T273
AMPSEAL 16 CONTACTS

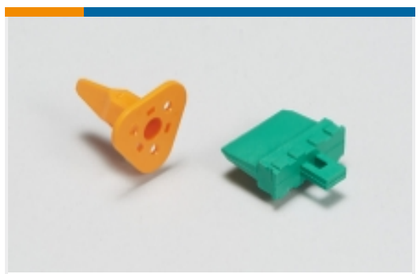


TE Part # 776106-1
EXTRACTION TOOL

## Also in the Series | AMPSEAL 16



Automotive Connector Caps & Covers (3)



Automotive Connector Locks & Position Assurance(2)



Automotive Housings(244)



Automotive Terminals(35)



Connector Backshells(84)



Connector Seals & Cavity Plugs(4)



Data Connectivity Headers(2)



Data Connectivity Housings(3)

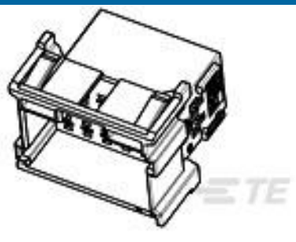


Other Automotive Connector Accessories(11)

## Customers Also Bought



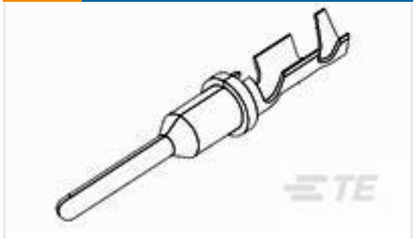
TE Part #1-967622-1
JUN-POW-TIM-GEH 12P



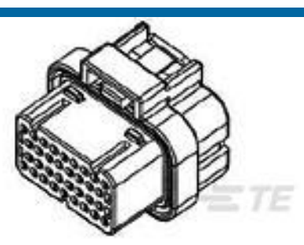
TE Part #1-967627-1
FLA-STE-GEH2,8 12P



TE Part #W6S-P012
WEDGE LOCK, 6P, PLG, GRN, SL RET, DT



TE Part #776300-1
PIN CONTACT WIRE TO WIRE LOOSE



TE Part #4-1437290-0
34POS,SUPERSEAL,REC HSG ASSY, SLD,COD 1



TE Part #1379659-1
TH/.025 CONNECTOR SYSTEM, HOUSING



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



TE Part #2098067-3
Plug Assembly, Hybrid, BCM, U1, C Key

# 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

# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## TE Connectivity:

1-794222-0 936348-1 CPF0402B37K4E1 MPT100C18RF ROX05SJ18R 1-962915-1 141991-2 1969656-1 2834055-1 917696-1 RH73H2A40MKTN 1903112-2 3430B2F51RTDF 650075-000 SBCHE64R7K 1393431-1 175977-2 2-292161-3 3631B101LL 1743455-2 2377783-2 3-1393225-0 SMW73R0JT U5254-000005-030PA SBCHE154R7K 2005330-1 2310537-1 TE50BR39J 2380312-2 CRGCQ2010J3K3