2138839-1 ✔ ACTIVE

DEUTSCH | AMPSEAL 16

TE Internal #: 2138839-1

Plug, Wire-to-Wire, 28 Position, 5.3 mm [.209 in] Centerline, Sealable, Black, 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	Black
Connector & Keying Code	A

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) Candidate List Declared Against: JUNE 2024 (241) 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 # 2138846-1
CAP ASSY, 28 POS, KEY A, AMPSEAL 16 HL



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



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

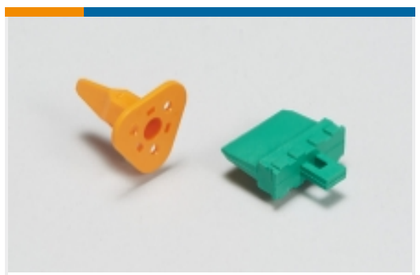


TE Part # 776106-1
EXTRACTION TOOL

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)

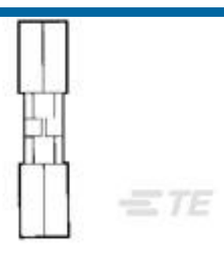


Other Automotive Connector Accessories(11)

Customers Also Bought



TE Part #776536-2
AS16,CAP ASSY,ST,04P,E SEAL,CODE B



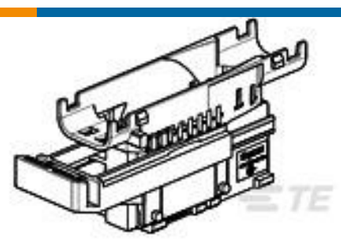
TE Part #324893
SPLICE,SOLIS BUTT STRAP 12-10



TE Part #1-1419168-1
MARKET 1X6 FEMALE SEALED



TE Part #1-1534096-1
MQS ABDECKKAPPE2X6P



TE Part #1394522-2
MIXED SOCKET HOUSING, 42POS. ,



TE Part #2292797-1
AS16,PLUG BACKSHELL KIT,ST,02P, SMOOTH



TE Part #2208850-1
RETAINER, FOR MCON1.2 CB



TE Part #2310222-1
CU ALLOY,OUTER FERRULE,PCON12

TE Part #2-2819130-4
ABS CABLE ASSEMBLY 8400



TE Part #9-2177814-2
PIN DIA 3.0, PP

Documents

Product Drawings

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

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2138839-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2138839-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2138839-1_B.3d_stp.zip

English

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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:

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