2203859-1 ✔ ACTIVE

DEUTSCH | AMPSEAL 16

TE Internal #: 2203859-1

Housing for Female Terminals, Wire-to-Wire, 16 Position, 7.5 mm [.295 in] Centerline, Sealable, Black, Wire & Cable, Power, Panel Mount, AMPSEAL 16

View on TE.com >

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







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

Number of Positions: **16**

Connector & Housing Type: **Housing for Female Terminals**

Centerline (Pitch): **7.5 mm [.295 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	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Blank Cavity Position	0
Number of Positions	16
Number of Rows	2, 4

Electrical Characteristics

Operating Voltage	550 VDC

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	A

Contact Features

Contact Size	Size 12, Size 16
Contact Type	Socket
Mating Pin Diameter	1.5 mm[.062 in]

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	Without
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PBT GF30
Centerline (Pitch)	7.5 mm[.295 in]

Dimensions

Connector Height	43.5 mm[1.71 in]
Product Width	48.2 mm[1.89 in]
Product Length	72.7 mm[2.86 in]
Row-to-Row Spacing	4.7 mm[.185 in]
Compatible Insulation Diameter Range	1.4 – 4.1 mm[.055 – .161 in]
Wire Size	.5 – 5 mm^2

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Degree of Protection	IP6K7, IP6K9K

UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	16
Packaging Method	Tray

Other

Serviceable	No
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: JUNE 2024 (241) Candidate List Declared Against: JAN 2023 (233) SVHC > Threshold: Decamethylcyclopentasiloxane (D5) (.5% in Component part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component part) Octamethylcyclotetrasiloxane (D4) (.5% in Component part) **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.
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 # 2272889-1
16POS,AMPSEAL 16,PIN HSG ASSY, SLD,COD A



TE Part # 2203956-1
COVER,AMPSEAL 16 ML CONN, 180 DEG

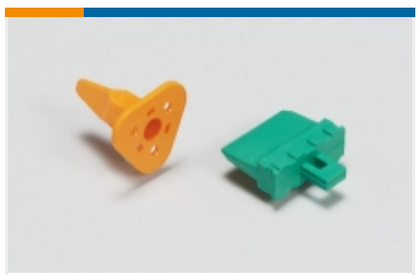


TE Part # 2272307-1
COVER,AMPSEAL 16 ML CONN, 90 DEG

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)

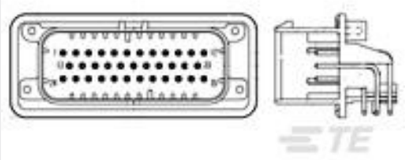


Other Automotive Connector Accessories(11)

Customers Also Bought



TE Part #HDP26-24-23PE
PLG, 23P, BLK, E, 16, P



TE Part #776163-5
35POS,PIN DIA 1.3,HDR ASSY,90DEG, COD 5



TE Part #1060-12-0166
PIN, SF, SIZE 12, 12-14, NI/SN



TE Part #60372-1
SPLICE 1200-2600 .020 BR



TE Part #1-2176088-3
RP 1J 0.166W 1K0 0.1% 25PPM 1K RL



TE Part #7-2176414-0
7W STD M/OX 5% 15K



TE Part #1924579-3
AMPSEAL 16 CONTACTS



TE Part #2350943-1
FIX RING,CONN KIT

TE Part #M3031-000005-2K5PG
PRESS XDCR M3031-000005-2K5PG

Documents

Product Drawings

16POS,HYBRID,SOC HSG ASSY,SLD,COD A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2203859-1_2.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2203859-1_2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2203859-1_2.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Product Specifications

Application Specification

English

Unikeyic Electronics

Global Electronic Components Distributor

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

TE Connectivity:

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