2203859-1 × OBSOLETE

DEUTSCH | AMPSEAL 16

TE Internal #: 2203859-1

TE Internal Description: 16POS,HYBRID,SOC HSG ASSY,SLD,COD

A

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Automotive Parts > Automotive Connectors > Automotive Housings







Nominal Voltage Architecture: **12 V, 24 V**

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

Number of Positions: **16**

Sealable: **Yes**

Operating Temperature Range: **-40 – 125 °C [-40 – 257 °F]**

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	550 VDC
Nominal Voltage Architecture	12 V, 24 V

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

Strain Relief	Without
Terminal Position Assurance	Yes
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

Row-to-Row Spacing	4.7 mm[.185 in]
Compatible Insulation Diameter Range	1.4 – 4.1 mm[.055 – .161 in]
Product Width	48.2 mm[1.89 in]
Product Length	72.7 mm[2.86 in]
Connector Height	43.5 mm[1.71 in]
Wire Size	20 – 10 AWG

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

IP Rating	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

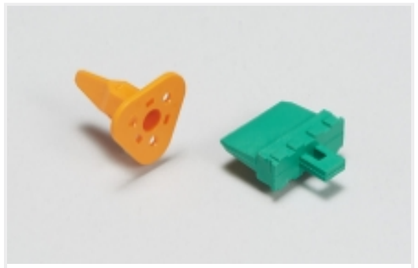
For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) 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

Also in the Series | AMPSEAL 16



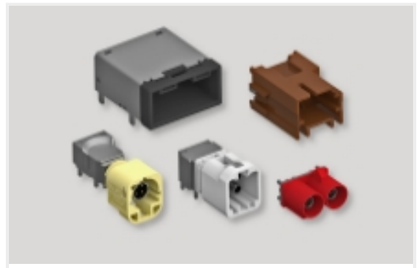
Automotive Connector Locks & Position Assurance(6)



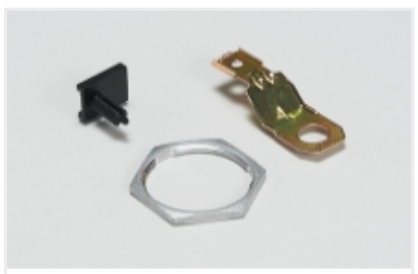
Automotive Housings(241)



Automotive Seals & Cavity Plugs(11)



Data Connectivity Headers(10)



Other Automotive Connector Accessories(8)

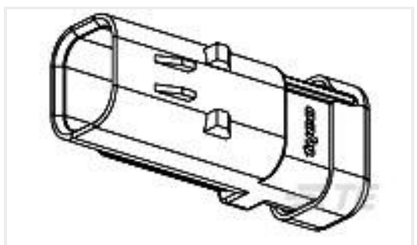
Customers Also Bought



TE Part #440054-4
2.0MM,HDR,4POS,VERTICAL



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



TE Part #776428-1
AS16,CAP ASSY,ST,02P,N SEAL,CODE A



TE Part #4-1825136-4
A101SYCB04



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



TE Part #2357302-2
BACKSHELL,CONN KIT



TE Part #2203876-2
MOUNTING CLIP, ML CONN, 4MM PANEL



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



TE Part #2272889-1
16POS,AMPSEAL 16,PIN HSG ASSY, SLD,COD A

Documents

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

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Product Specifications

Application Specification

English