

HD16-6-12S

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD16-6-12S

Hybrid, Housing for Female Terminals, Wire-to-Wire, 6 Position, Sealable, Gray, Wire & Cable, 25A Contact Current Rating (Max), Power & Signal

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector Housings > DEUTSCH HD10 HOUSINGS



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

Mating Pin Diameter: **2.39 mm [.094 in]**

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

Number of Positions: **6**

Sealable: **Yes**

[All DEUTSCH HD10 HOUSINGS \(53\)](#)

Features

Product Type Features

Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Hybrid Connector	No
Primary Locking Feature	Contact Retainer
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
Number of Positions	6

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Cable Exit Angle	180°
Body Material	PA GF
Primary Product Color	Gray



Contact Features

Mating Pin Diameter	2.39 mm[.094 in]
Contact Current Rating (Max)	25 A

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Polarized

Dimensions

Product Width	36.91 mm[1.453 in]
Product Length	41.12 mm[1.619 in]
Product Height	36.91 mm[1.453 in]
Accepts Wire Insulation Diameter Range	3.4 – 4.32 mm[.134 – .17 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power & Signal
---------------------	----------------

Industry Standards

Degree of Protection	IP68, IP6K9K
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	250
Packaging Method	Box

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 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed 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 # 114010-ZZ
EXT TOOL, SIZE 12, 12 AWG, N, YEL



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-H3910-CH8172
DEUTSCH HD10 HOUSINGS



TE Part # CAT-H3910-PC1748
DEUTSCH HD10 PLUG DUST CAPS



TE Part # HD10-6BT
BOOT, 6P, PLG/REC, ST, GRY



TE Part # HD10-6BT-BK
BOOT, 6P, PLG/REC, ST, BLK

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (47)



Automotive Housings(670)



Automotive Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(11)

Also in the Series | **DEUTSCH HD10**



Automotive Connector Caps & Covers (18)



Automotive Housings(53)

Customers Also Bought



TE Part #0462-221-1631
DEUTSCH SOLID CONTACTS



TE Part #1011-270-0605
DEUTSCH DT BACKSHELLS



TE Part #W4SD
DEUTSCH DT WEDGELOCKS



TE Part #1010-016-0406
SEAL, INTF, 4P, RED-ORG, STD, DT



TE Part #1010-017-0606
SEAL, INTF, 6P, RED-ORG, STD, DT



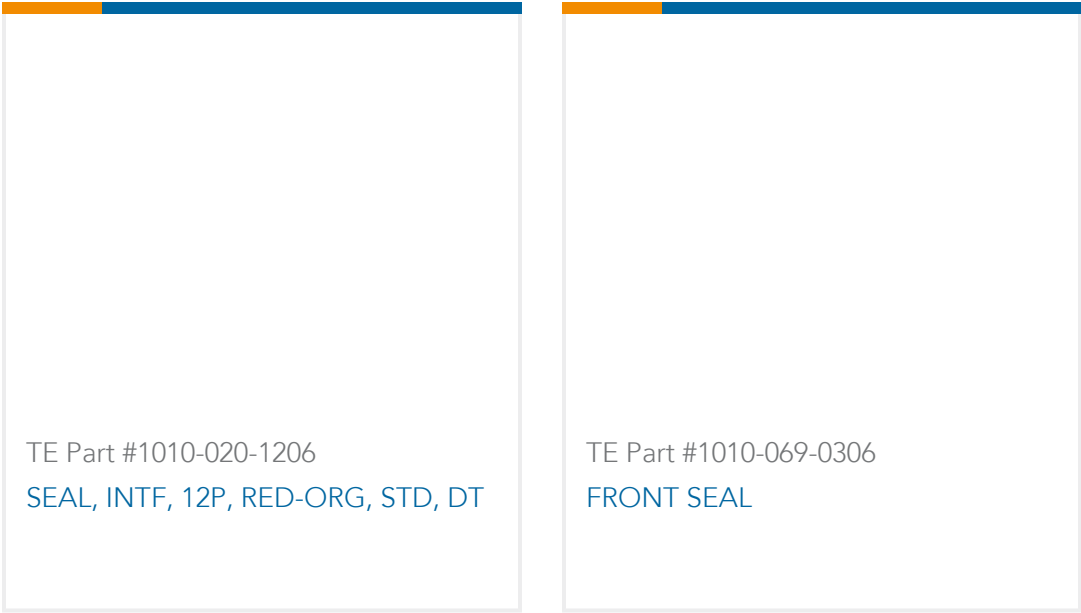
TE Part #0526-012-0090
RET BOLT, M5, AG, DRC26



TE Part #1010-002-0306
SEAL, INTF, 3P, RED-ORG, STD, DT



TE Part #1010-007-0806
SEAL, INTF, 8P, RED-ORG, STD, DT



Documents

Product Drawings

PLUG ASM

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HD16-6-12S_99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HD16-6-12S_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HD16-6-12S_99.3d_stp.zip

English

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

Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English