

HD16-6-12S ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD10

TE Internal #: HD16-6-12S

Housing for Female Terminals, Wire-to-Wire, 6 Position, Sealable, Gray, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD10 Housings



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

Number of Positions: **6**

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

Sealable: **Yes**

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

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

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Modification	No Coupling Ring
Number of Positions	6

Electrical Characteristics

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

Body Features

Cable Exit Angle	180°
Primary Product Color	Gray



Contact Features

Contact Size	Size 12
Contact Type	Socket
Mating Pin Diameter	2.39 mm[.094 in]
Contact Current Rating (Max)	25 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Add By Accessory
Mating Alignment Type	Polarizing Rib
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
------------------	-------

Dimensions

Connector Height	36.91 mm[1.453 in]
Product Width	36.91 mm[1.453 in]
Product Length	41.12 mm[1.619 in]
Compatible 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	UL 94V-1

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>](#)

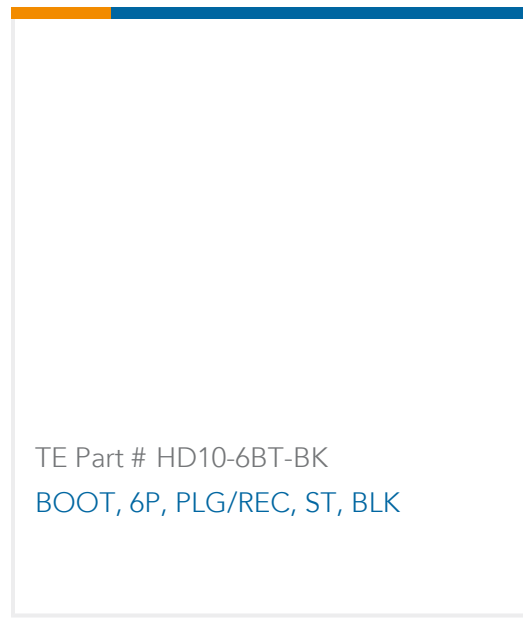
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JAN 2023 (233) Does not 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

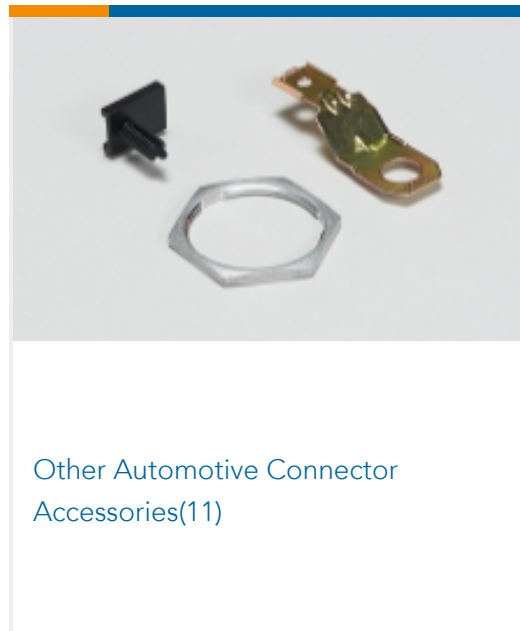
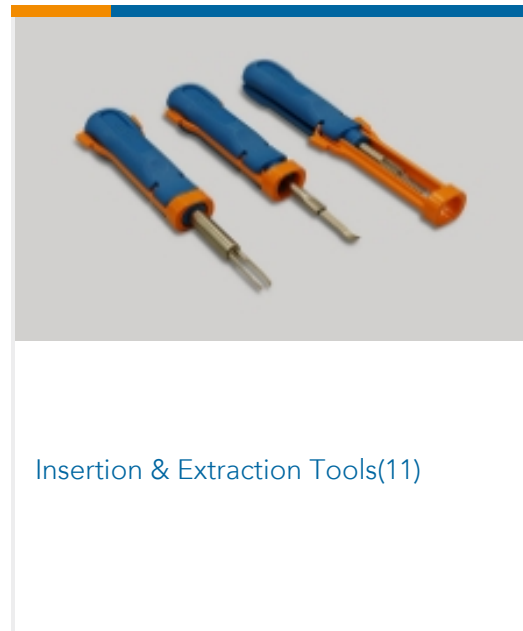
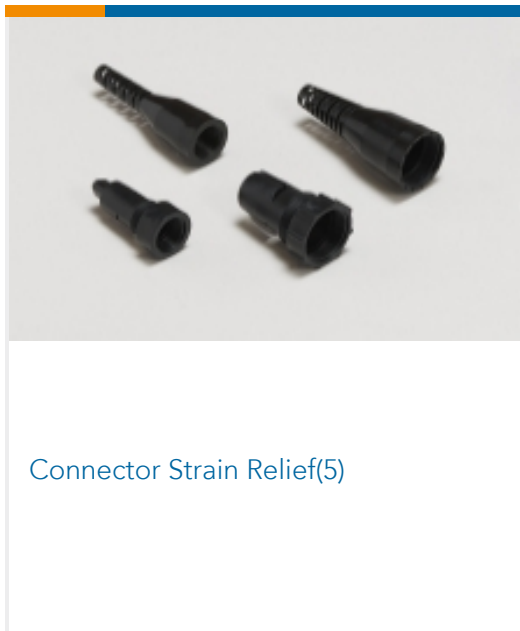
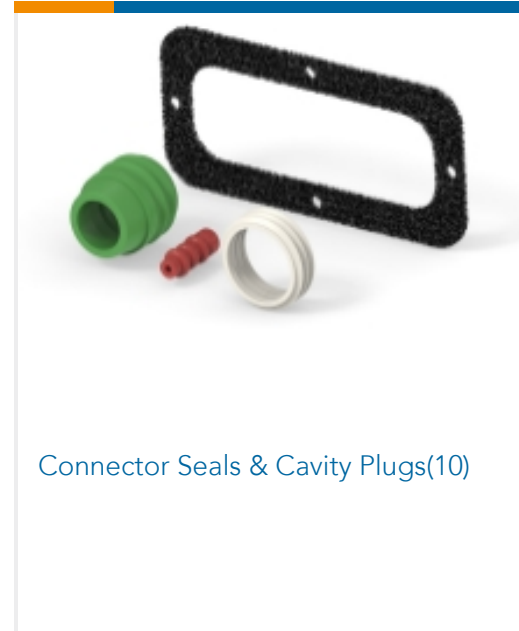
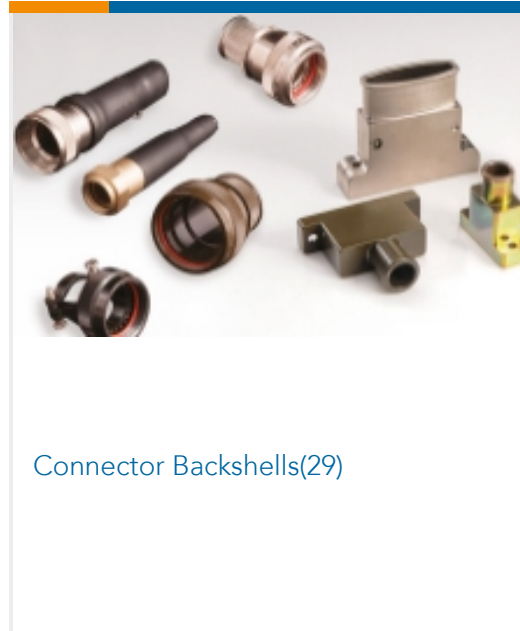
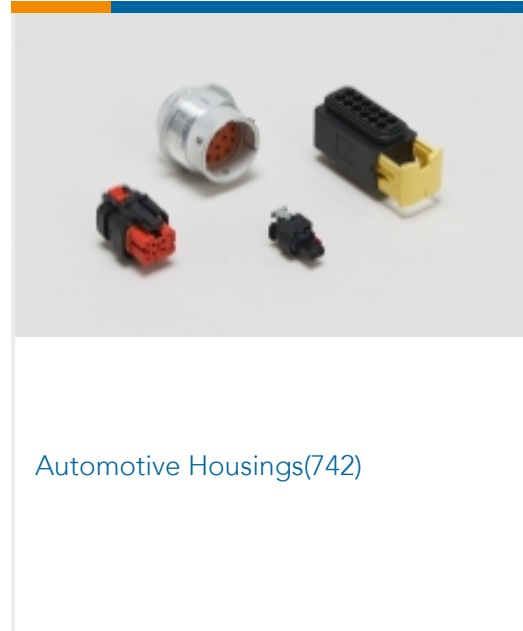
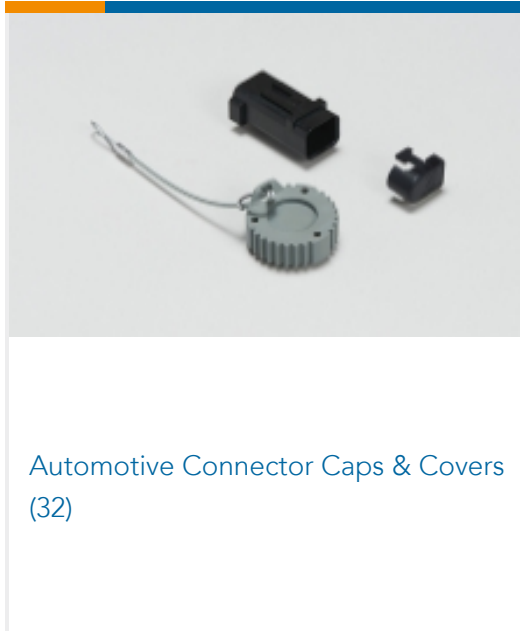
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

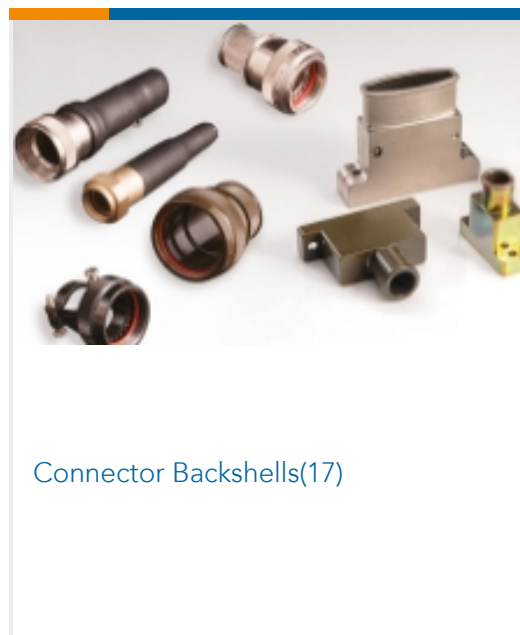
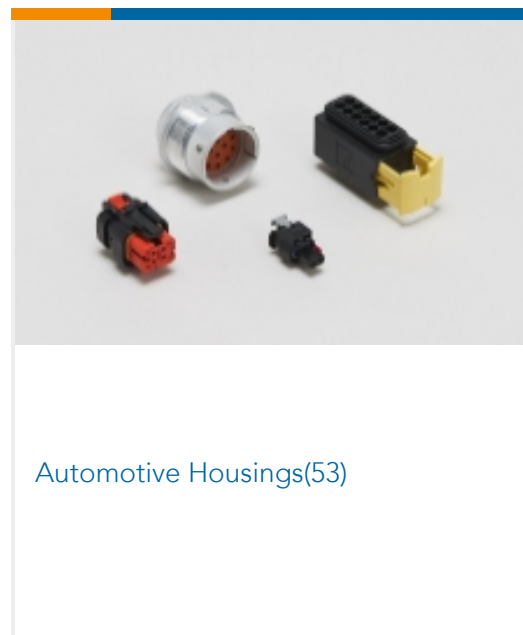
 <p>TE Part # 0413-214-1205 SEALING PLUG, SIZE 12, KEYING, YEL</p>	 <p>TE Part # CAT-H3910-CH8172 DEUTSCH HD10 Housings</p>	 <p>TE Part # CAT-H3910-PC1748 DEUTSCH HD10 PLUG DUST CAPS</p>	 <p>TE Part # HD10-6BT BOOT, 6P, PLG/REC, ST, GRY</p>
---	---	---	--



Also in the Series | DEUTSCH HD



Also in the Series | DEUTSCH HD10



Customers Also Bought



TE Part #HD34-24-21PN
DEUTSCH HD30 Housings



TE Part #DT04-08PA-P026
DEUTSCH DT Receptacle Connectors



TE Part #HD14-6-12P
INL REC ASM



TE Part #HDP26-24-31PT
PLG, 31P, BLK, T, 16, P



TE Part #1-968946-1
TAB 2.8x0.8 CONTACT CF SRC Sn



TE Part #1-968849-3
AMP MCP 2.8, CONTACT

Documents

Product Drawings

PLUG ASM

English

CAD Files

Customer View Model

[ENG_CVM_CVM_HD16-6-12S_99.2d_dxf.zip](#)

English

3D PDF

3D

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



[Agency Approvals](#)

[UL Report](#)

English