

HD16-9-1939S  ACTIVE

DEUTSCH | DEUTSCH HD10, DEUTSCH HD

TE Internal #: HD16-9-1939S

9 Position Housing, Housing for Female Terminals, Wire-to-Wire,
Sealable, Black, Wire & Cable, Power, Cable Mount (Free-Hanging),
Hybrid

[View on TE.com >](#)[Connectors](#) > [Automotive Connectors](#) > [Automotive Housings](#) > DEUTSCH HD10 HousingsNumber of Positions: **9**Connector & Housing Type: **Housing for Female Terminals**Mating Pin Diameter: **1.6 mm [.063 in]**Connector System: **Wire-to-Wire**Sealable: **Yes**[All DEUTSCH HD10 Housings \(53\)](#)

Features

Housing Features

Housing Material	PA GF
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Industry Standards

IP Rating	IP6K9K, IP68
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UL Flammability Rating	20mm Flame Test per Standard UL-94
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Dimensions

Compatible Insulation Diameter Range	2.5 – 3.8 mm[.1 – .15 in]
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Product Width	40.5 mm[1.59 in]
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Product Length	40.5 mm[1.59 in]
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Connector Height	41.5 mm[1.63 in]
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Packaging Features

Packaging Quantity	1
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Packaging Method	Package
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Mechanical Attachment

Strain Relief	Without
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Terminal Position Assurance	No
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Mating Alignment Type	Polarizing Rib
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Mating Alignment

With

Connector Mounting Type

Cable Mount (Free-Hanging)

Other

Serviceable

Yes

Connector Position Assurance Capable

No

EU RoHS Compliance

Compliant

EU ELV Compliance

Compliant

Electrical Characteristics

Operating Voltage

250 VDC

Nominal Voltage Architecture

250 V

Body Features

Cable Exit Angle

180°

Primary Product Color

Black

Contact Features

Contact Size

Size 16

Contact Type

Socket

Mating Pin Diameter

1.6 mm[.063 in]

Contact Current Rating (Max)

13 A

Product Type Features

Mixed & Hybrid Connector

No

Connector Shape

Circular

Connector & Housing Type

Housing for Female Terminals

Connector System

Wire-to-Wire

Sealable

Yes

Primary Locking Feature

Integrated in Housing

Connector & Contact Terminates To

Wire & Cable

Configuration Features

Blank Cavity Position

0

Number of Positions

9

Usage Conditions

Operating Temperature (Max)

125 °C[257 °F]

Operating Temperature Range

-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application

Power

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)

SVHC > Threshold:
Octamethylcyclotetrasiloxane (D4) (.5% in
Component Part)
Dodecamethylcyclohexasiloxane (D6) (.5%
in Component Part)
Decamethylcyclopentasiloxane (D5) (.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

Not Low Halogen - contains Br or Cl > 900
ppm.

Solder Process Capability

Not reviewed for solder process capability

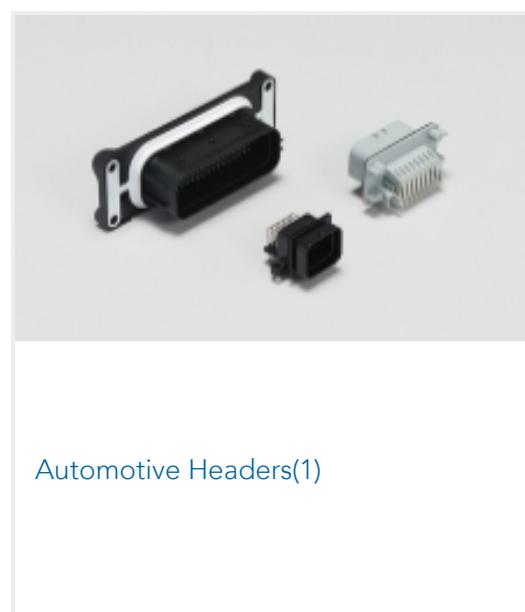
Product Compliance Disclaimer

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>

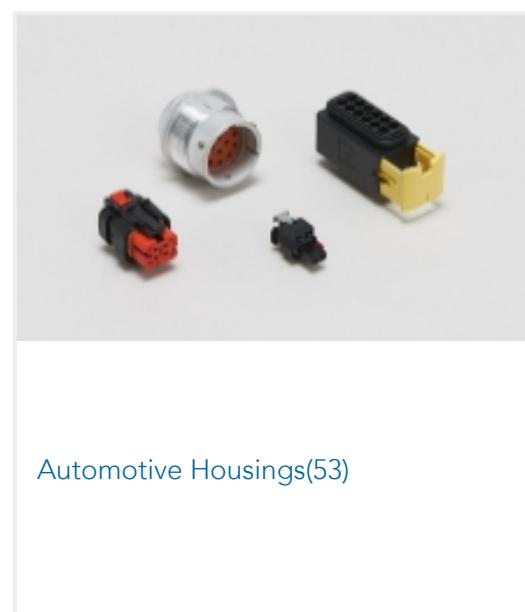
Compatible Parts

TE Part # HD10-9BT-BK-430
BOOT, 9P, PLG/REC, ST, BLKTE Part # HD10-9BT
BOOT, 9P, PLG/REC, ST, GRYTE Part # CAT-D48-SP729
DEUTSCH Sealing PlugsTE Part # HD10-9BT-BK
BOOT, 9P, PLG/REC, ST, BLKTE Part # CAT-H3910-CH8172
DEUTSCH HD10 HousingsTE Part # CAT-H3910-PC1748
DEUTSCH HD10 PLUG DUST CAPS

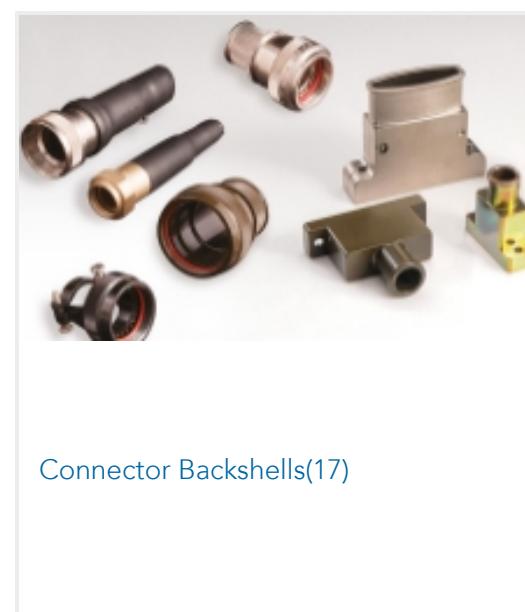
Also in the Series | DEUTSCH HD



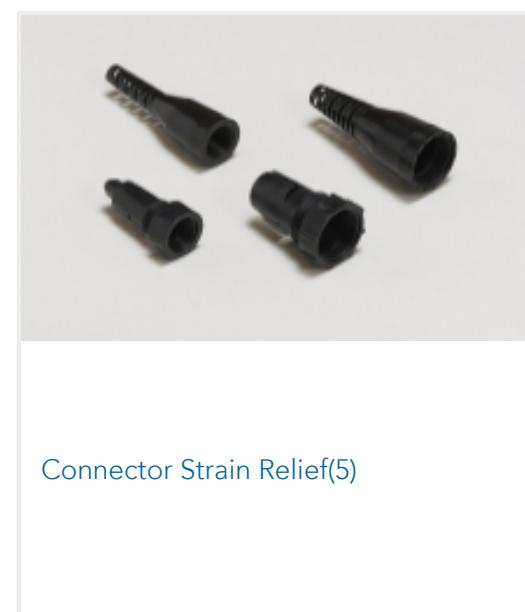
Automotive Headers(1)



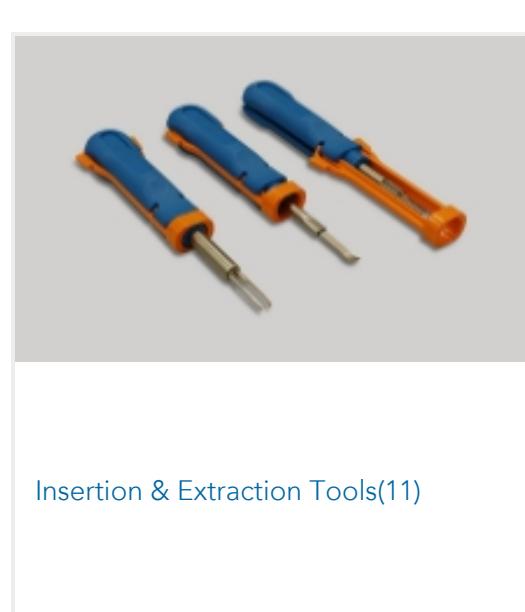
Automotive Housings(53)



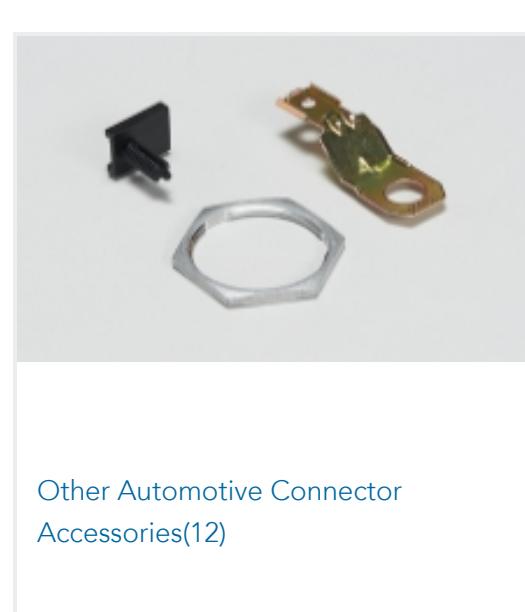
Connector Backshells(17)



Connector Strain Relief(5)



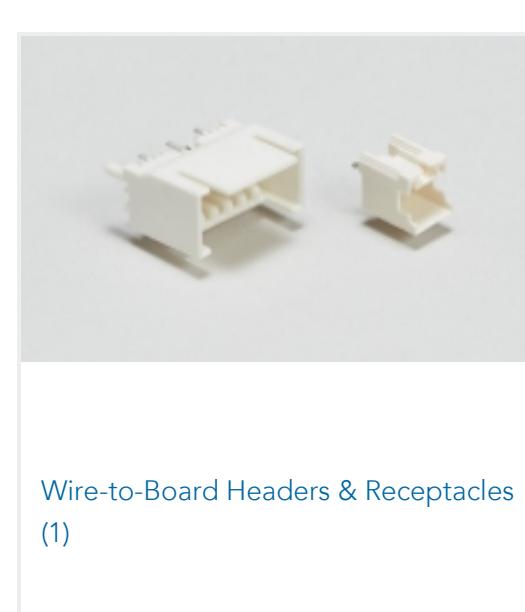
Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(12)

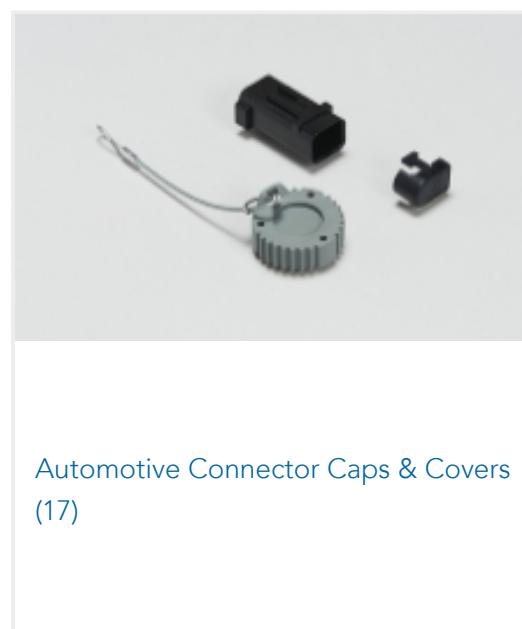


PCB Headers & Receptacles(1)

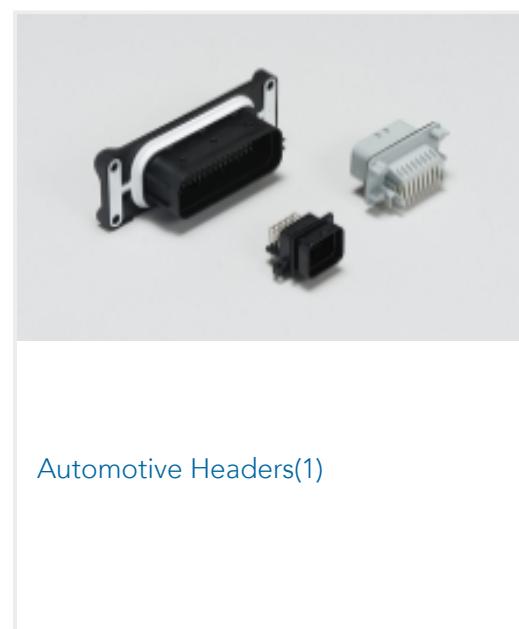


Wire-to-Board Headers & Receptacles(1)

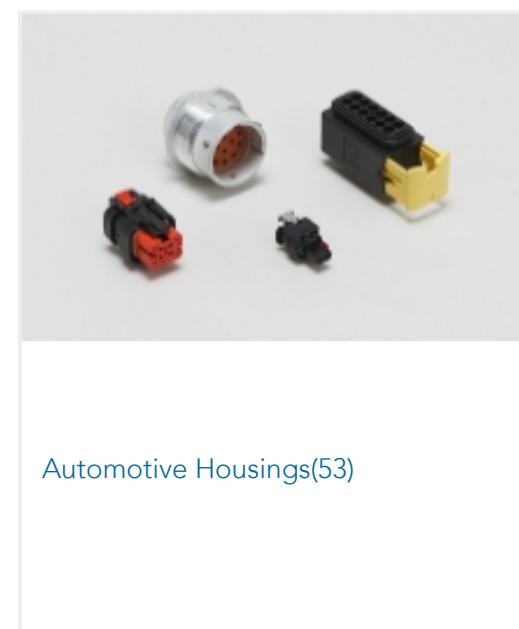
Also in the Series | DEUTSCH HD10



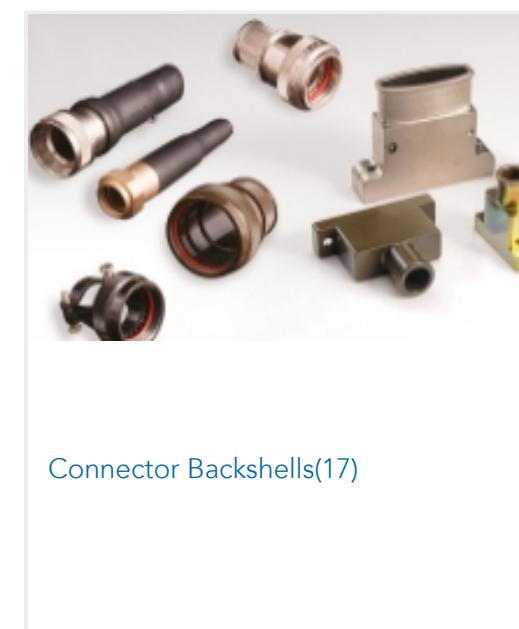
Automotive Connector Caps & Covers (17)



Automotive Headers(1)



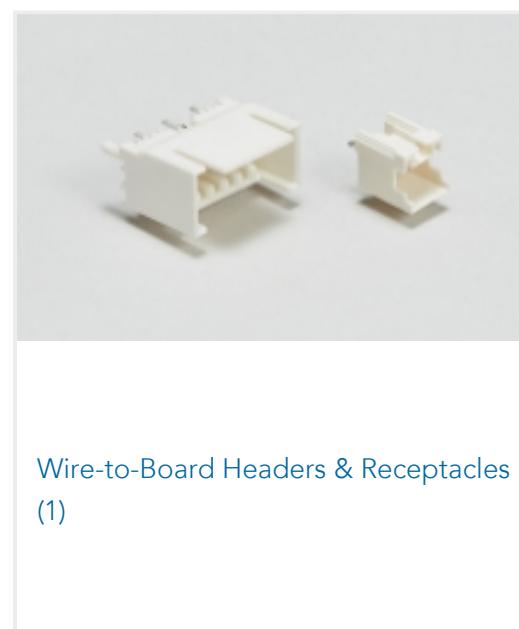
Automotive Housings(53)



Connector Backshells(17)

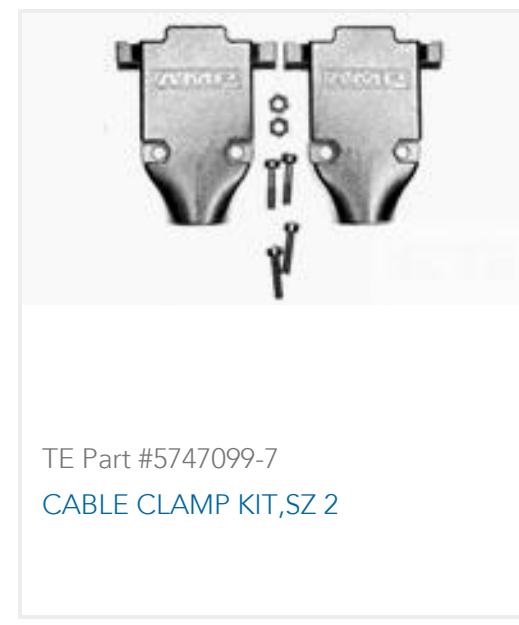
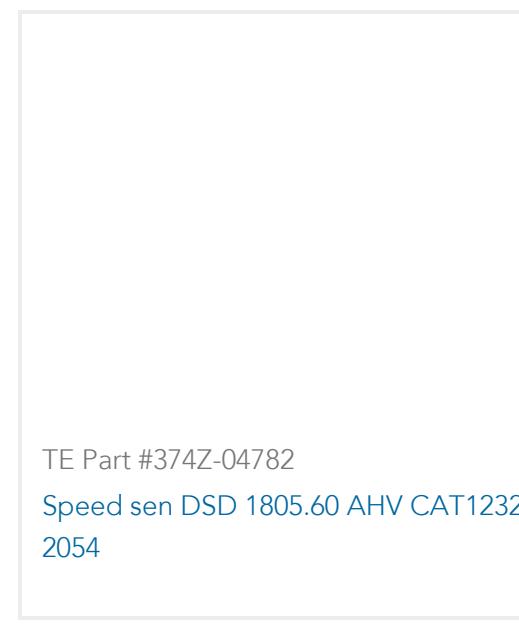
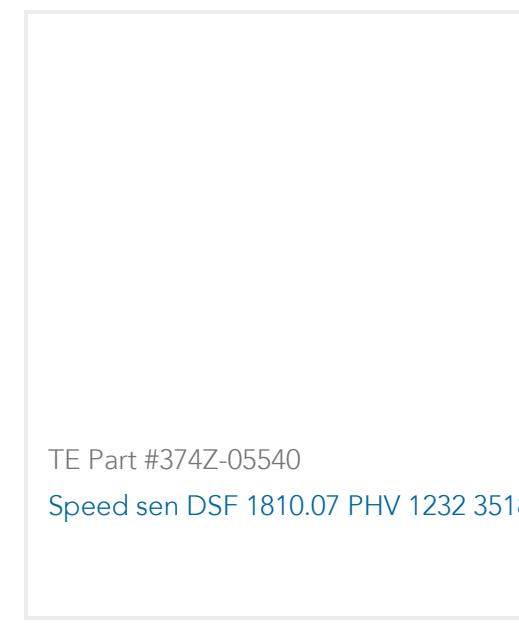
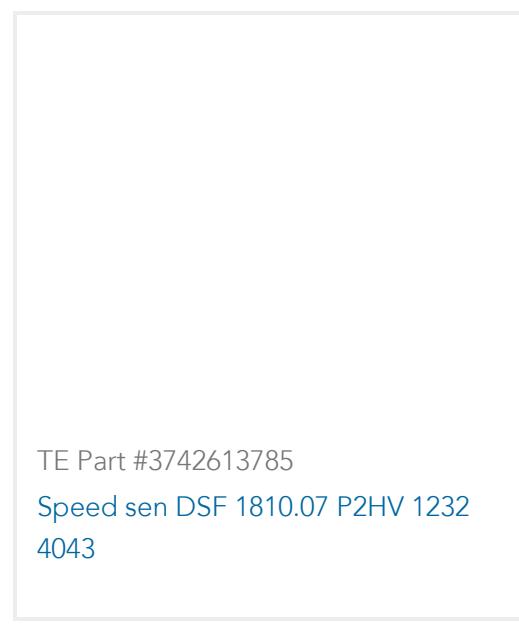


PCB Headers & Receptacles(1)



Wire-to-Board Headers & Receptacles (1)

Customers Also Bought

TE Part #K1135146
Battery Disconnector 35-211-100-RTE Part #1416010-1
V23132A2001B200TE Part #5747099-7
CABLE CLAMP KIT,SZ 2TE Part #K1006114
Relay 26-70-04-900TE Part #K1160848
Relay 26-70-04-907TE Part #8-1419167-0
1X4 SEALD HARN ASSY W/O CPATE Part #374Z-04782
Speed sen DSD 1805.60 AHV CAT1232
2054TE Part #374Z-05540
Speed sen DSF 1810.07 PHV 1232 3518TE Part #374Z-04783
Speed sen DSD 1805.62 AHV CAT1232
2055TE Part #3742613785
Speed sen DSF 1810.07 P2HV 1232
4043

Documents

Product Drawings**PLG, 9P, BLK, N, J1939, TYPE 1**

English

CAD Files**3D PDF**

3D

Customer View Model

[ENG_CVM_CVM_HD16-9-1939S_99_c-hd16-9-1939s-99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD16-9-1939S_99_c-hd16-9-1939s-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD16-9-1939S_99_c-hd16-9-1939s-99.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.**Datasheets & Catalog Pages****DEUTSCH HD10 CONNECTOR SERIES**

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications**Application Specification**

English

Agency Approvals**UL Report**

English