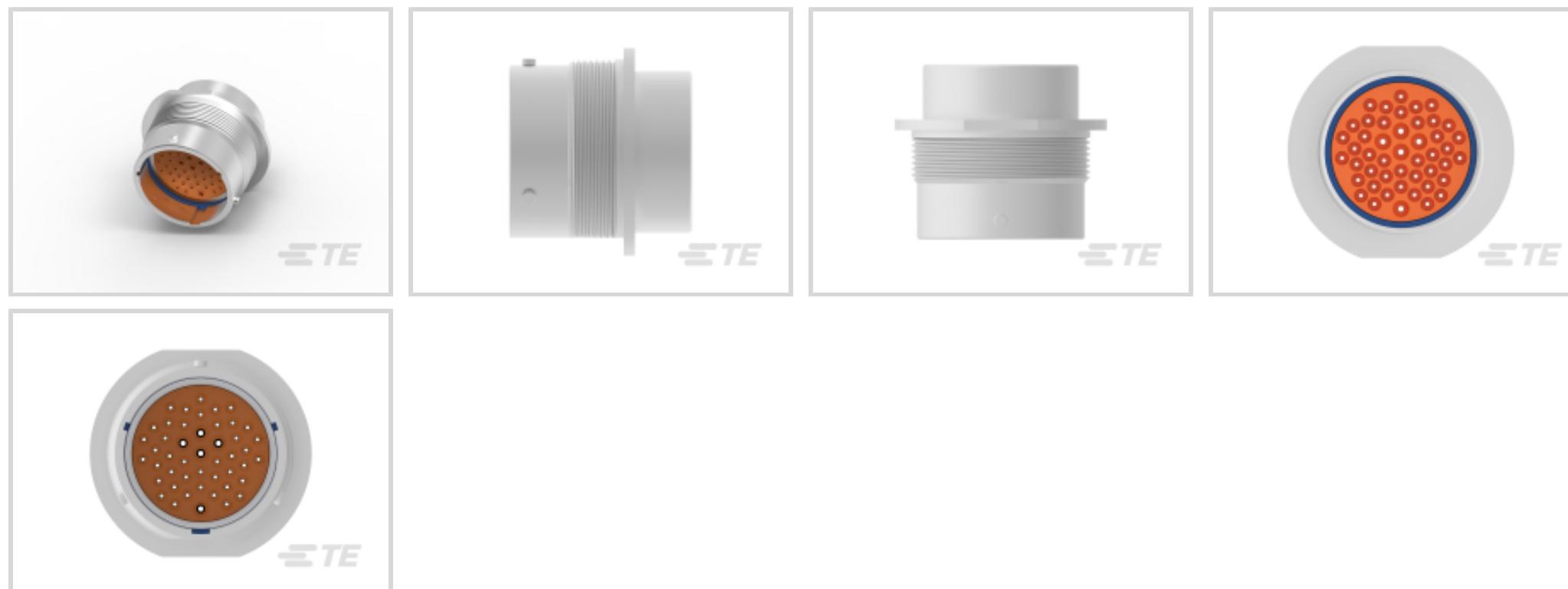


Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



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

Number of Positions: **47**

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

Sealable: **Yes**

Mating Pin Diameter: **1.02 mm, 1.59 mm [.04 in, .063 in]**

[All DEUTSCH HD30 Housings \(358\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
Connector Shape	Circular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Contact Retainer

Configuration Features

Blank Cavity Position	0
Connector Seal Code	E Seal
Number of Positions	47

Electrical Characteristics

Operating Voltage	250 VAC
-------------------	---------

Nominal Voltage Architecture	12 V, 24 V
------------------------------	------------

Body Features

Cable Exit Angle	180°
------------------	------

Contact Features

Contact Size	Size 16, Size 20
--------------	------------------

Contact Type	Pin
--------------	-----

Mating Pin Diameter	1.02 mm, 1.59 mm[.04 in][.063 in]
---------------------	-----------------------------------

Contact Current Rating (Max)	7.5 A, 13 A
------------------------------	-------------

Mechanical Attachment

Terminal Position Assurance	No
-----------------------------	----

Strain Relief	Add By Accessory
---------------	------------------

Mating Alignment Type	Guide Post
-----------------------	------------

Mating Alignment	With
------------------	------

Connector Mounting Type	Panel Mount
-------------------------	-------------

Housing Features

Housing Material	Aluminum
------------------	----------

Dimensions

Connector Height	47.53 mm[1.875 in]
------------------	--------------------

Product Width	50.8 mm[2 in]
---------------	---------------

Product Length	41.83 mm[1.647 in]
----------------	--------------------

Compatible Insulation Diameter Range	1.02 – 2.1 mm, 1.35 – 2.62 mm[.04 – .083 in][.053 – .103 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	IP67
----------------------	------

Packaging Features

Packaging Quantity	200
--------------------	-----

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: JUNE
2023 (235)SVHC > Threshold:
Octamethylcyclotetrasiloxane (D4) (.4% 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.

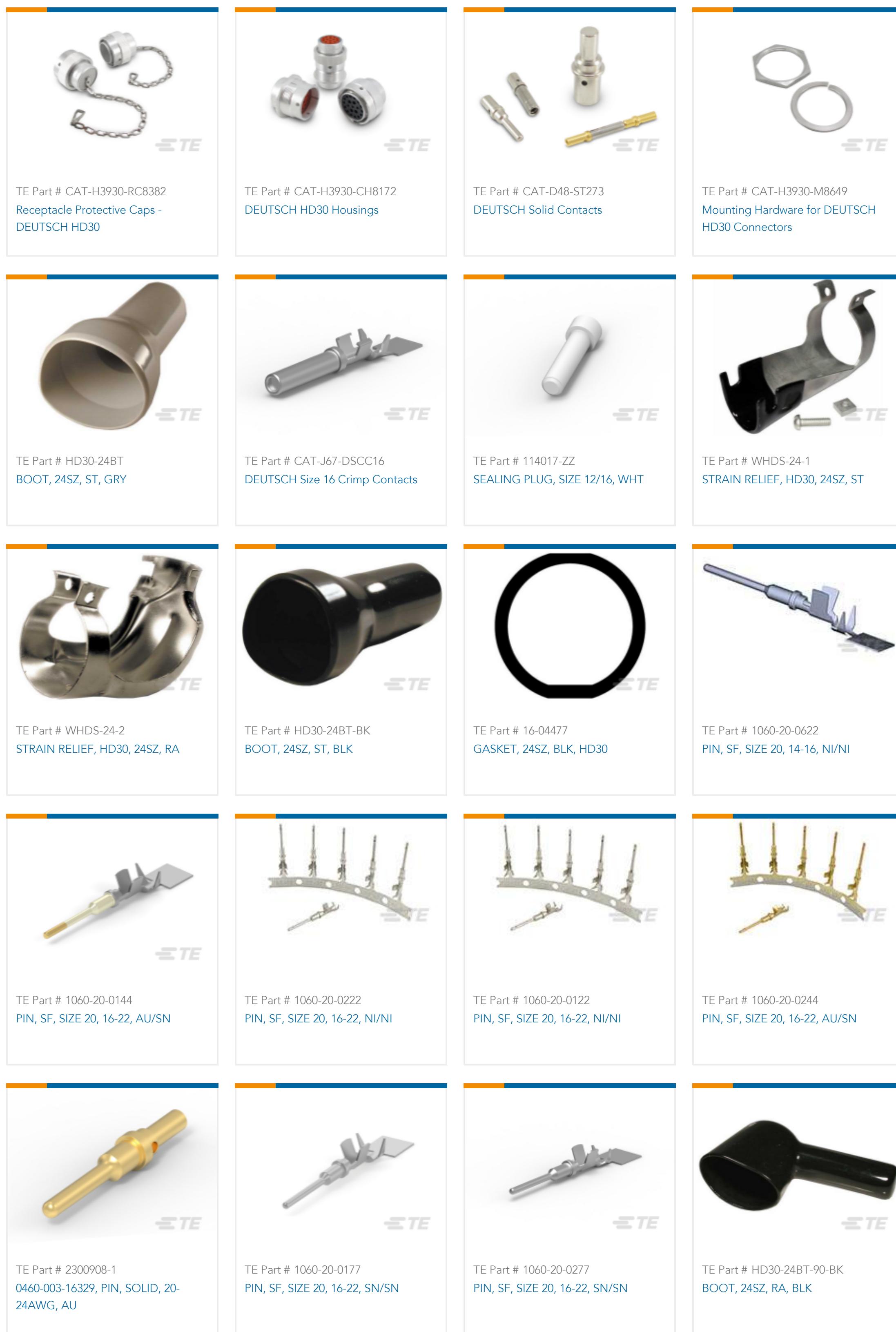
Solder Process Capability

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>

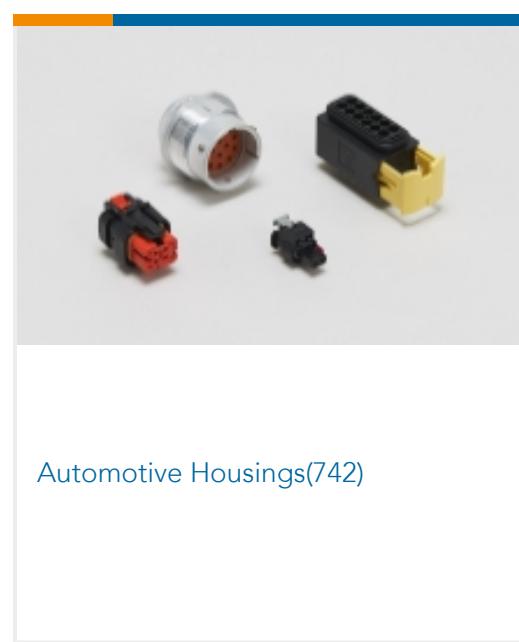
Compatible Parts



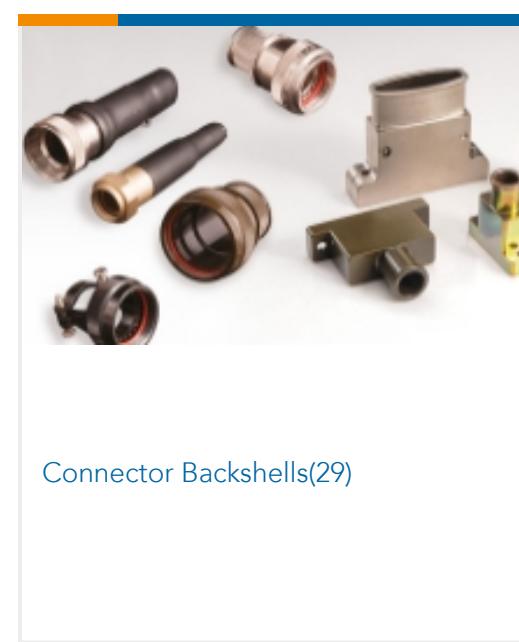
Also in the Series | **DEUTSCH HD**



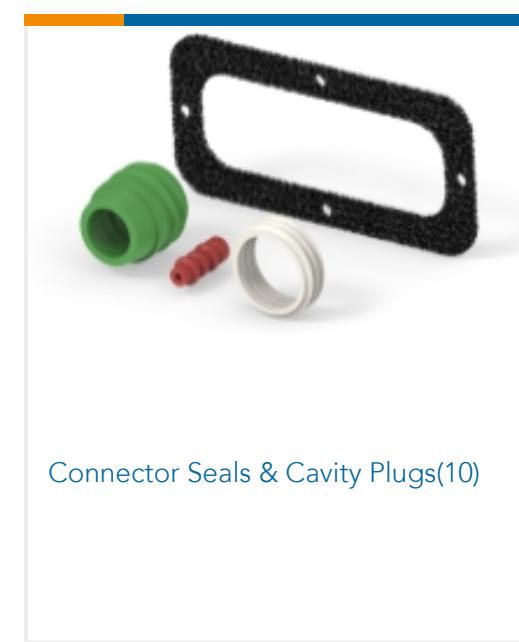
Automotive Connector Caps & Covers (37)



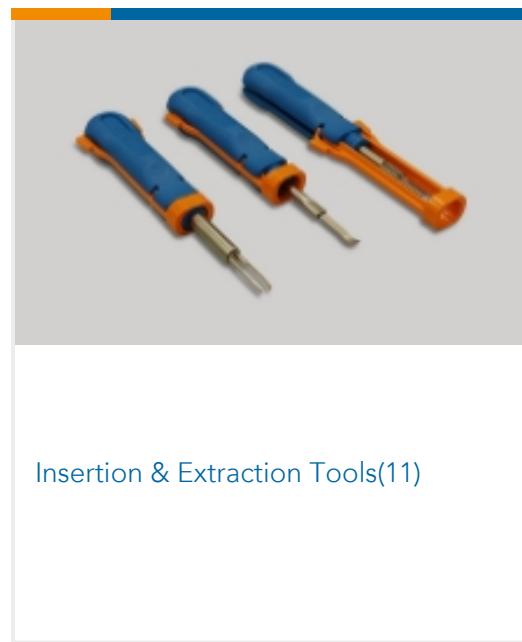
Automotive Housings(742)



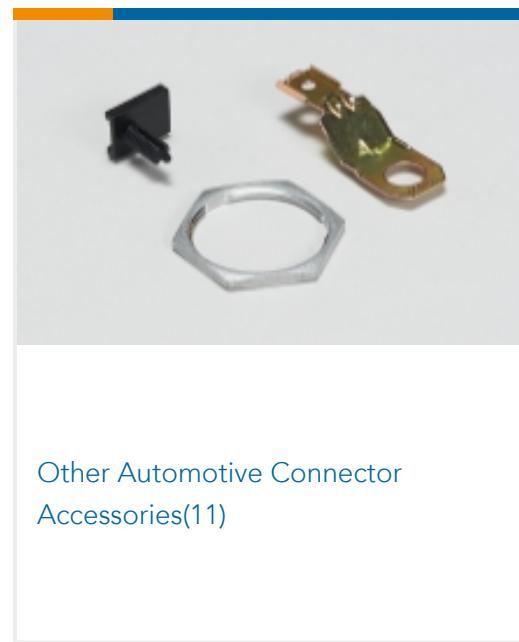
Connector Backshells(29)



Connector Seals & Cavity Plugs(10)



Insertion & Extraction Tools(11)

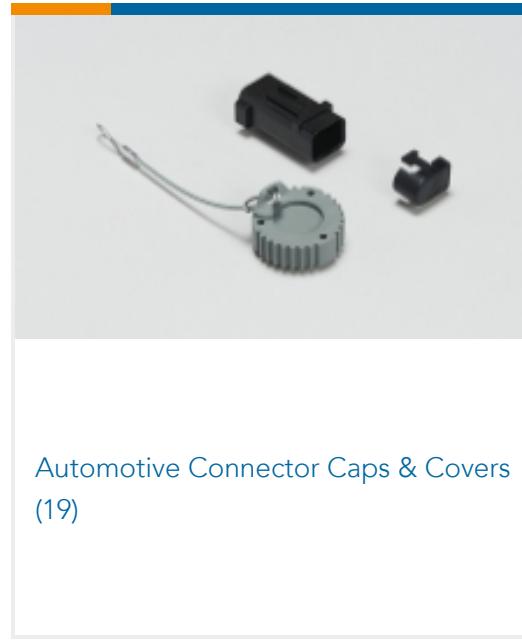


Other Automotive Connector Accessories(11)

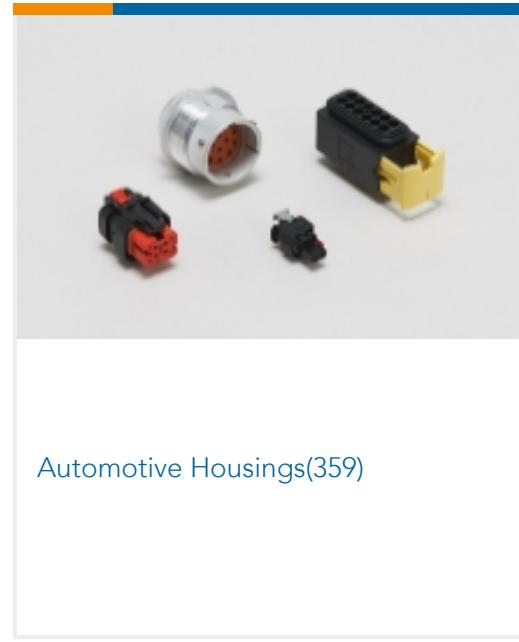


PCB Headers & Receptacles(1)

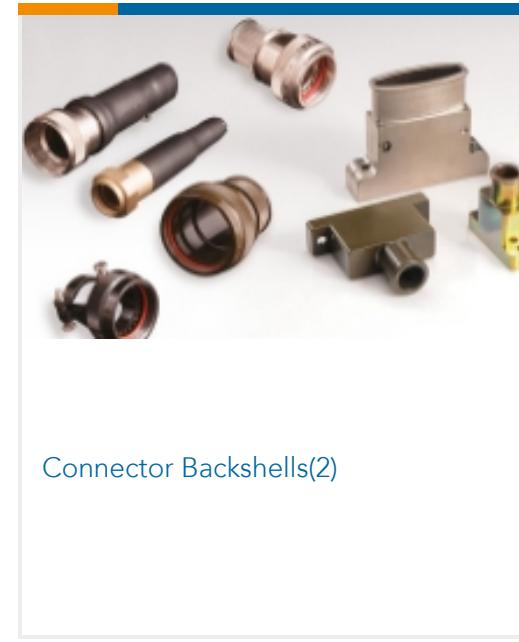
Also in the Series | DEUTSCH HD30



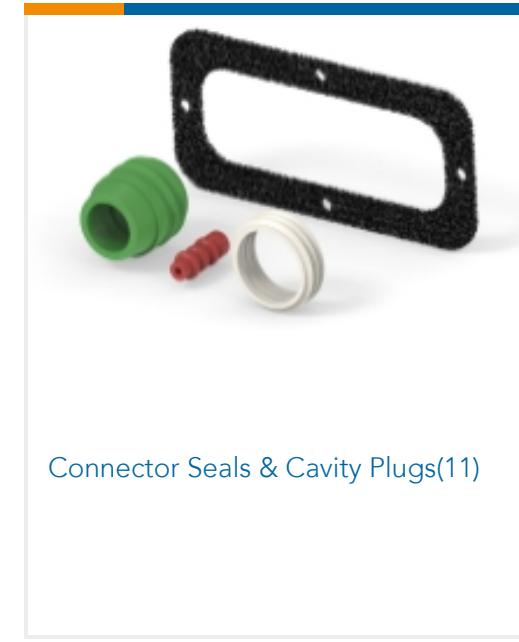
Automotive Connector Caps & Covers (19)



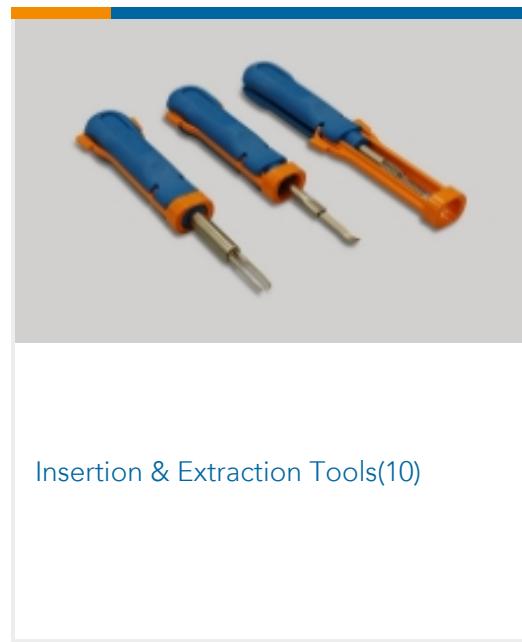
Automotive Housings(359)



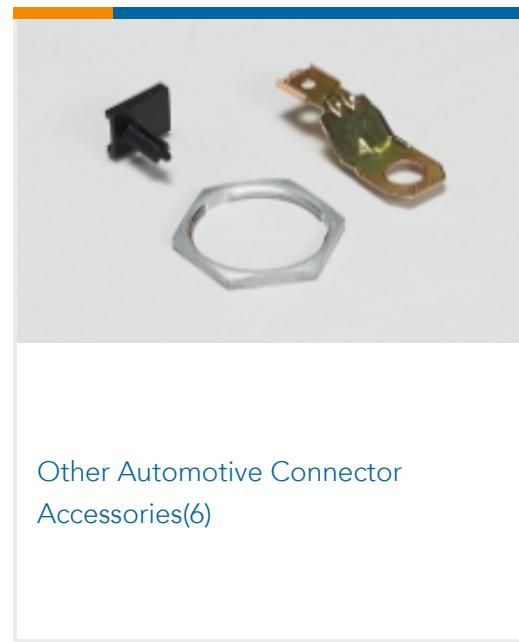
Connector Backshells(2)



Connector Seals & Cavity Plugs(11)

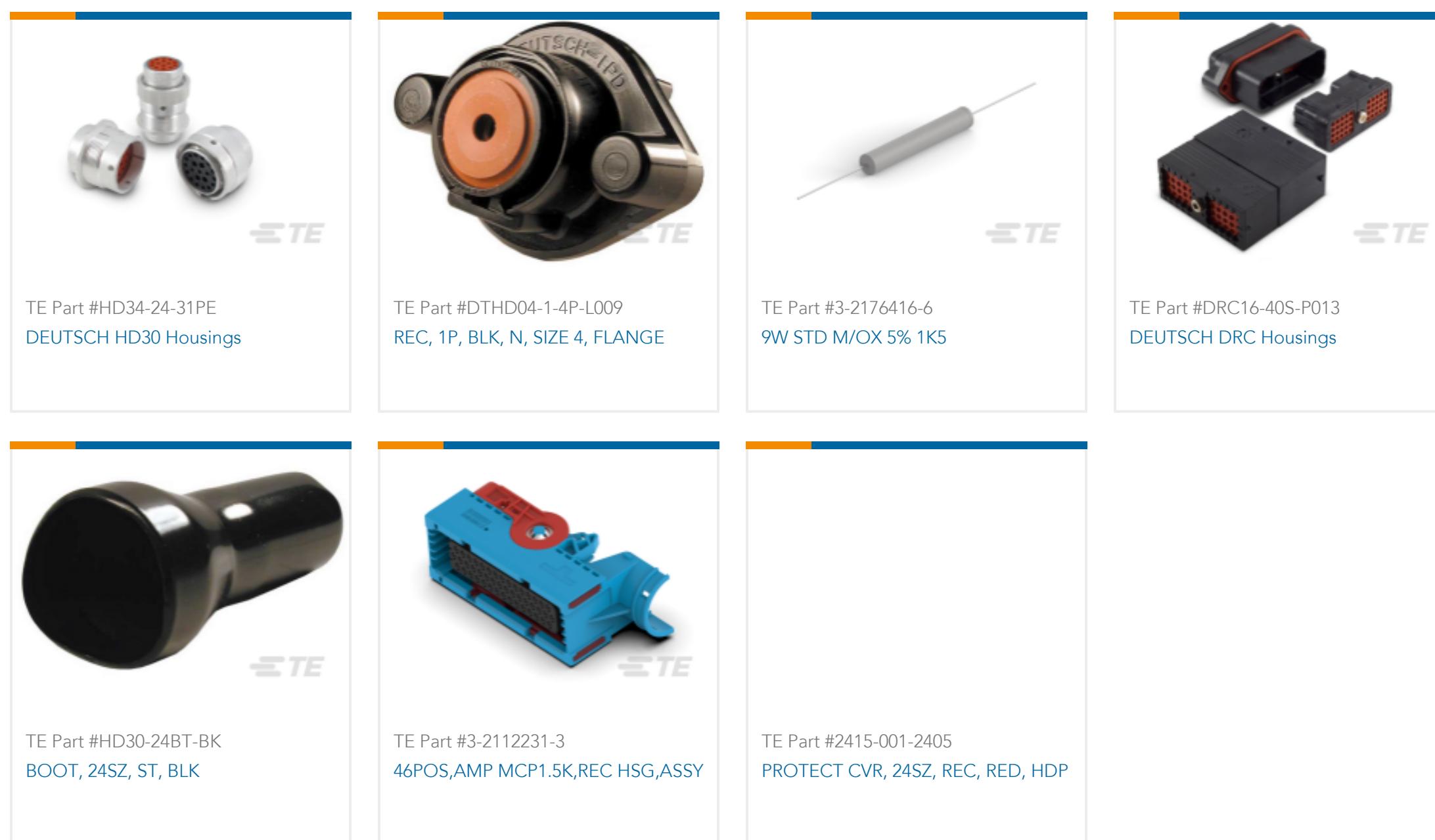


Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

Customers Also Bought



Documents

Product Drawings

[REC, 47P, AL, E, 16/20, P](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_HD34-24-47PE_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD34-24-47PE_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HD34-24-47PE_B.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

Product Specifications

[Application Specification](#)

English