

# HD36-24-21SE ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HD30

TE Internal #: HD36-24-21SE

Housing for Female Terminals, Wire-to-Wire, 21 Position, Sealable, Wire & Cable, Power & Signal, Cable Mount (Free-Hanging), Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HD30 Housings



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

Number of Positions: **21**

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

Sealable: **Yes**

Mating Pin Diameter: **1.59 mm, 2.39 mm [ .063 in, .094 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 Female 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	21

### Electrical Characteristics

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

### Body Features

Cable Exit Angle	180°
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### Contact Features



Contact Size	Size 12, Size 16
Contact Type	Socket
Mating Pin Diameter	1.59 mm, 2.39 mm [.063 in][.094 in]
Contact Current Rating (Max)	13 A, 25 A

### Mechanical Attachment

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

### Housing Features

Housing Material	Aluminum
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### Dimensions

Connector Height	49.32 mm [1.942 in]
Product Width	49.32 mm [1.942 in]
Product Length	38.61 mm [1.52 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm, 2.46 – 4.01 mm [.053 – .12 in] [.097 – .158 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
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### Industry Standards

Degree of Protection	IP67
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### Packaging Features

Packaging Quantity	200
Packaging Method	Box

### Other

Serviceable	Yes
Connector Position Assurance Capable	No

## Product Compliance


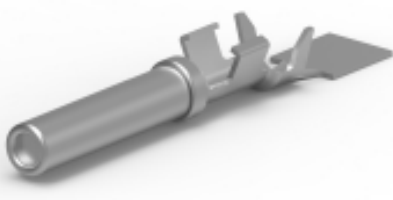






[For compliance documentation, visit the product page on TE.com>](#)

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) 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

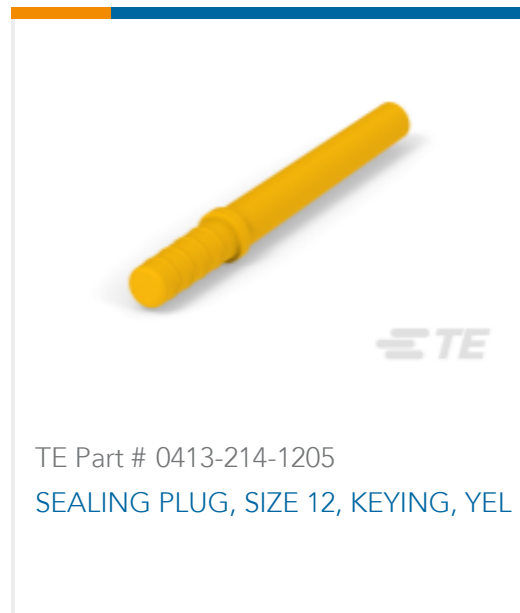
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

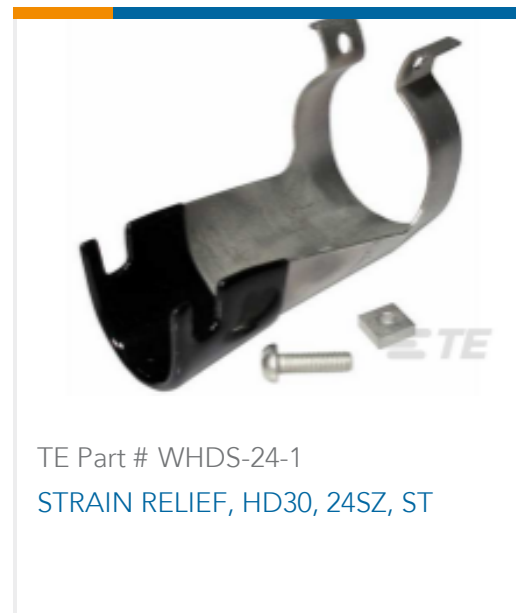
 <p>TE Part # CAT-H3930-CH8172 DEUTSCH HD30 Housings</p>	 <p>TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts</p>	 <p>TE Part # CAT-H3930-PC8382 Plug Protective Caps - DEUTSCH HD30</p>	 <p>TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts</p>
 <p>TE Part # HD30-24BT-BK BOOT, 24SZ, ST, BLK</p>	 <p>TE Part # 1062-12-0144 SOC, SF, SIZE 12, 12-14, AU/SN</p>	 <p>TE Part # 1062-12-0222 SOC, SF, SIZE 12, 10, NI/NI</p>	 <p>TE Part # HD30-24BT BOOT, 24SZ, ST, GRY</p>



TE Part # HD30-24BT-90-BK  
BOOT, 24SZ, RA, BLK



TE Part # 0413-214-1205  
SEALING PLUG, SIZE 12, KEYING, YEL



TE Part # WHDS-24-1  
STRAIN RELIEF, HD30, 24SZ, ST



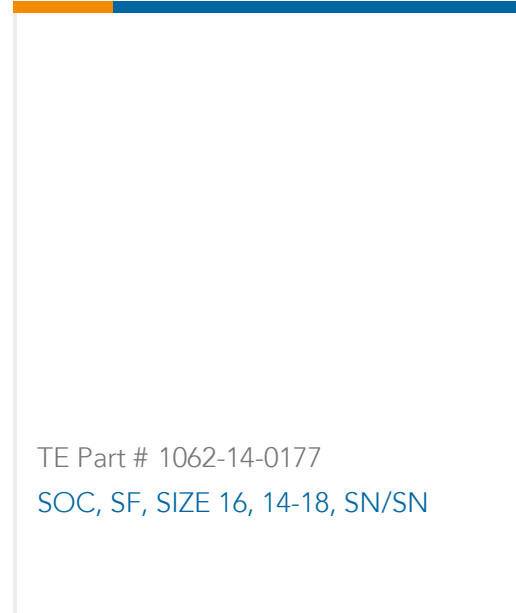
TE Part # WHDS-24-2  
STRAIN RELIEF, HD30, 24SZ, RA



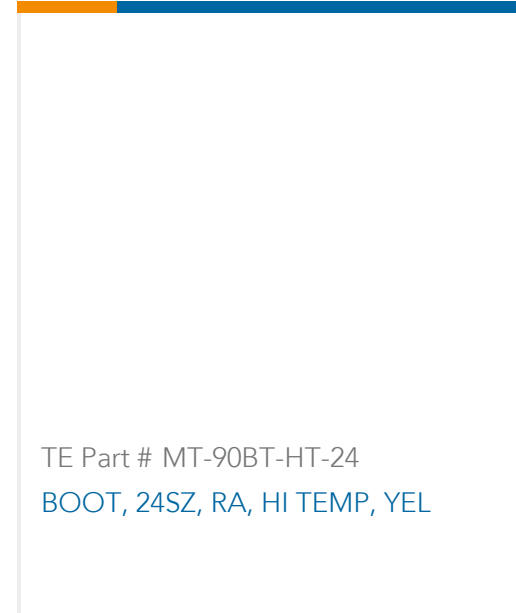
TE Part # 1062-12-0166  
SOC, SF, SIZE 12, 12-14, NI/SN



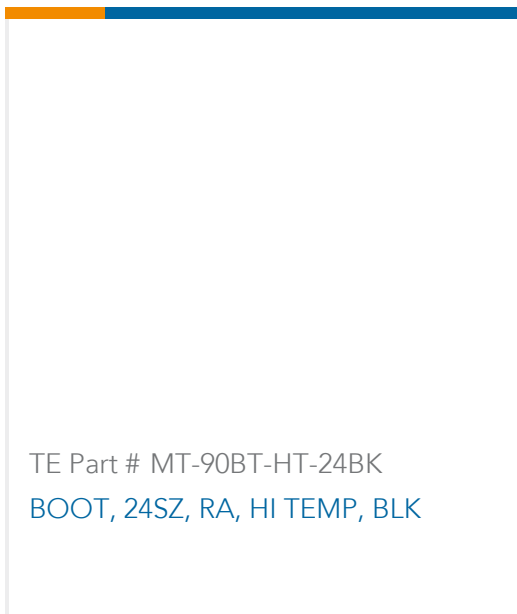
TE Part # 1062-12-0244  
SOC, SF, SIZE 12, 10, AU/SN



TE Part # 1062-14-0177  
SOC, SF, SIZE 16, 14-18, SN/SN



TE Part # MT-90BT-HT-24  
BOOT, 24SZ, RA, HI TEMP, YEL

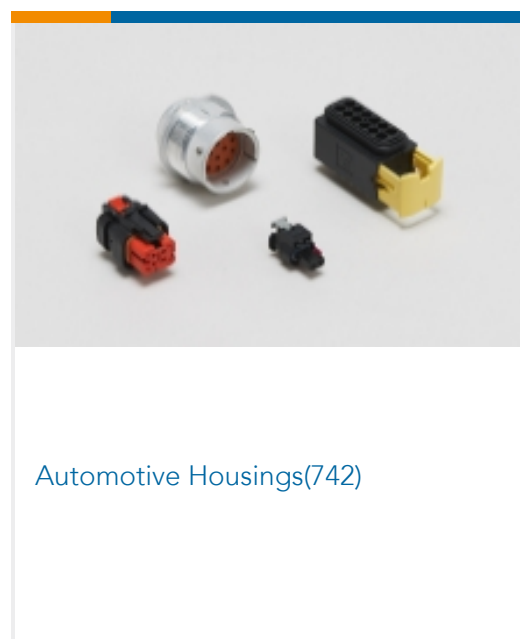


TE Part # MT-90BT-HT-24BK  
BOOT, 24SZ, RA, HI TEMP, BLK

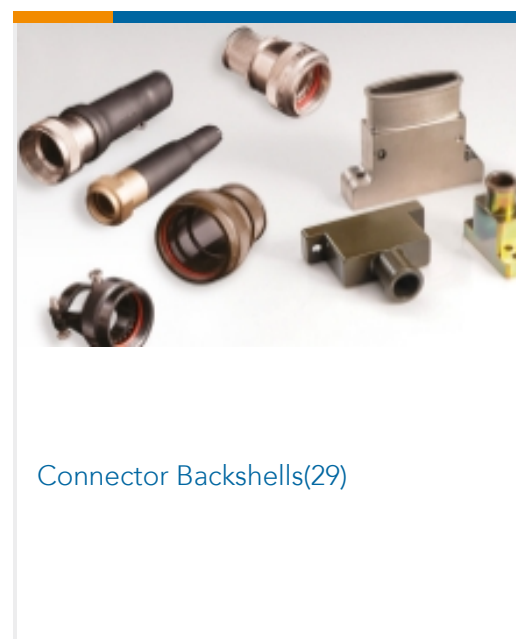
Also in the Series | **DEUTSCH HD**



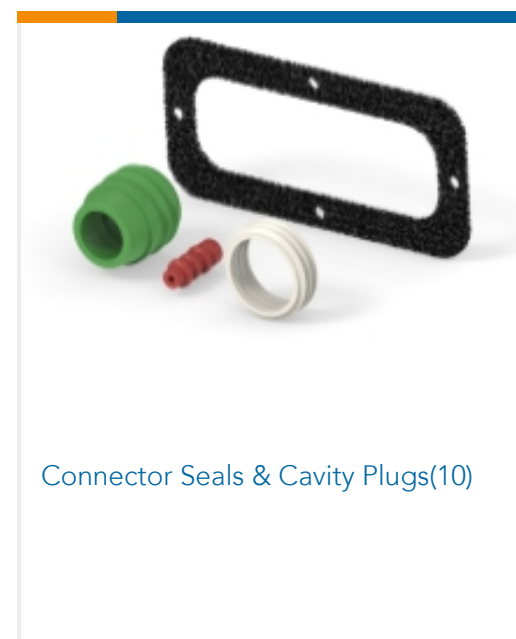
Automotive Connector Caps & Covers  
(32)



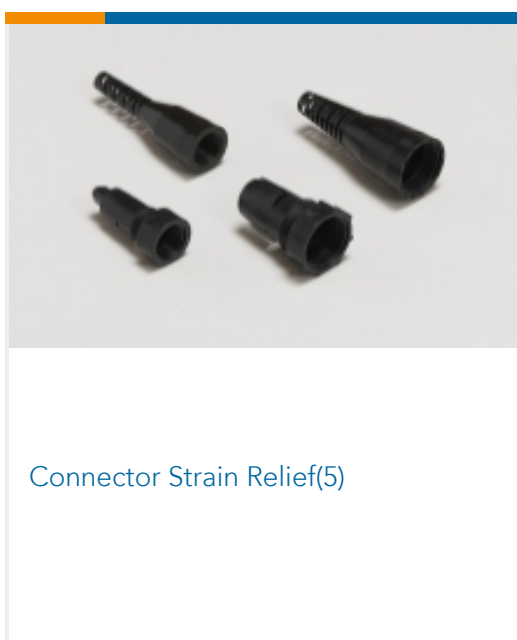
Automotive Housings(742)



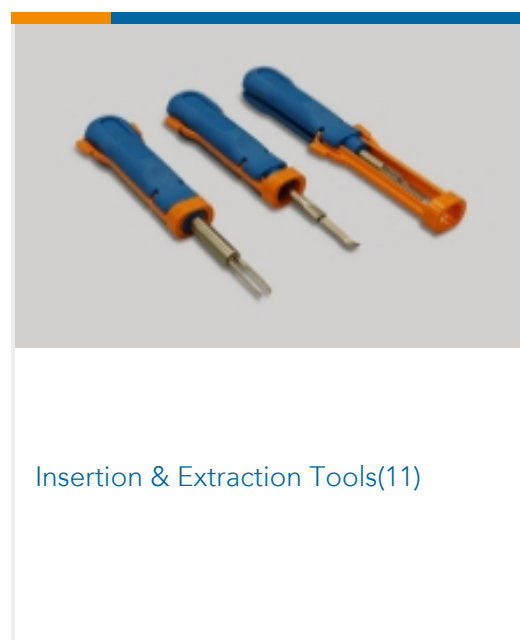
Connector Backshells(29)



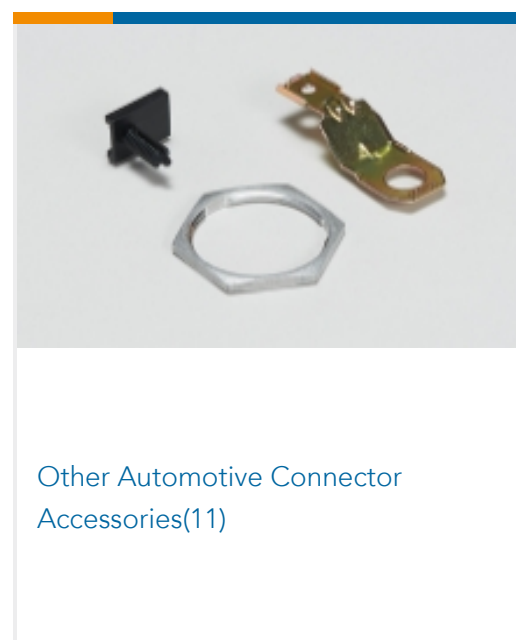
Connector Seals & Cavity Plugs(10)



Connector Strain Relief(5)



Insertion & Extraction Tools(11)



Other Automotive Connector  
Accessories(11)



PCB Headers & Receptacles(1)

Also in the Series | **DEUTSCH HD30**



Automotive Connector Caps & Covers (14)



Automotive Housings(359)



Connector Backshells(2)



Connector Seals & Cavity Plugs(11)



Connector Strain Relief(5)



Insertion & Extraction Tools(10)



Other Automotive Connector Accessories(6)

## Customers Also Bought



TE Part #HD36-24-21SN  
DEUTSCH HD30 Housings



TE Part #HDP26-24-21SE  
DEUTSCH HDP20 Housings



TE Part #HD10-9-1939PE  
SQ FG REC ASM



TE Part #926539-3  
250 FASTON HSG. REC. 1P BLACK



TE Part #DRC26-60S06  
PLG, 60P, BLK, N, 06



TE Part #DT04-2P-RT02  
REC, 2P, BLK, 400V, 1.00V, 3A DIODE, NI



TE Part #WHDS-24-1  
STRAIN RELIEF, HD30, 24SZ, ST



TE Part #WHDS-24-2  
STRAIN RELIEF, HD30, 24SZ, RA

## Documents

**Product Drawings**  
PLG, 21P, AL, E, 12/16, S

English

### CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_HD36-24-21SE\_A.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_HD36-24-21SE\\_A.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_HD36-24-21SE\\_A.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

**CONNECTOR SELECTOR**

English

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### Product Specifications

[Application Specification](#)

English