

HDP24-18-14PE-L024

✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: YHDP24-18-14PEL024

Housing for Male Terminals, Wire-to-Wire, 14 Position, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount, -67 - 257 °F [-55 - 125 °C], Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Connector System: **Wire-to-Wire**
Number of Positions: **14**
Connector & Housing Type: **Housing for Male Terminals**
Sealable: **Yes**
Mating Pin Diameter: **1.59 mm [.063 in]**

[All DEUTSCH HDP20 Housings \(357\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
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 Modification	Wide Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	14



Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	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	PA GF
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Dimensions

Connector Height	41.28 mm[1.625 in]
Product Width	44.45 mm[1.75 in]
Product Length	41.53 mm[1.635 in]
Compatible Insulation Diameter Range	1.35 - 3.05 mm[.053 - .12 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
UL Flammability Rating	20mm Flame Test per Standard UL-94



Packaging Features

Packaging Quantity	1
Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

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

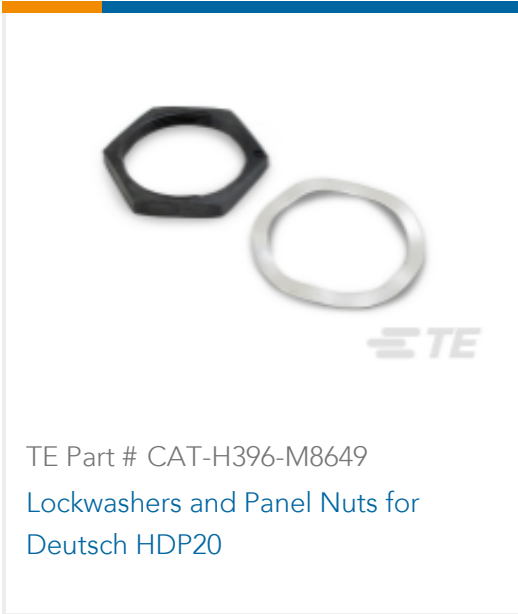
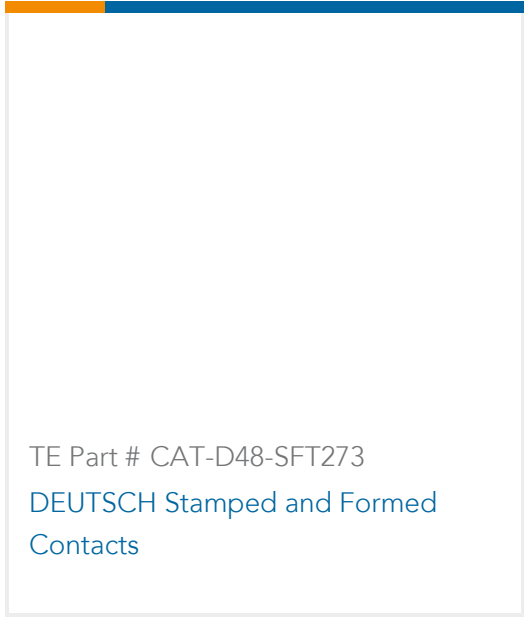
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > 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

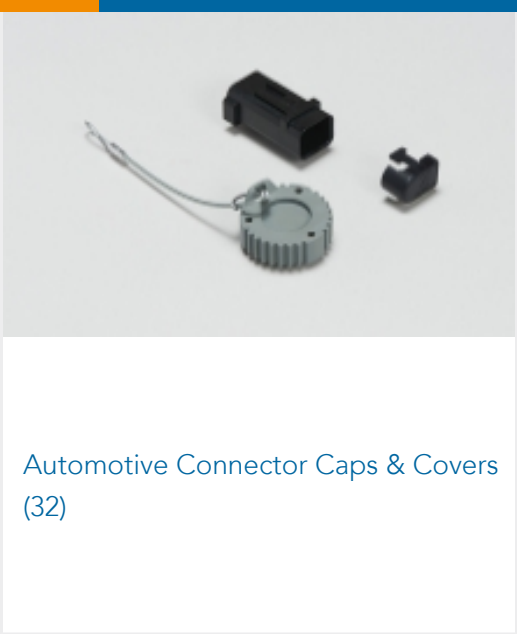
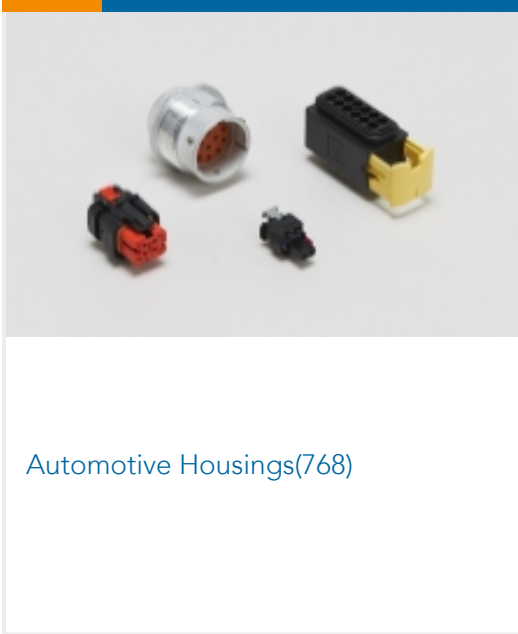
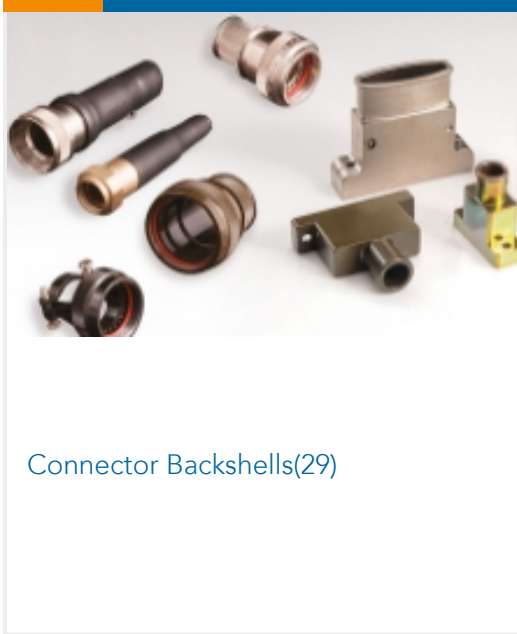
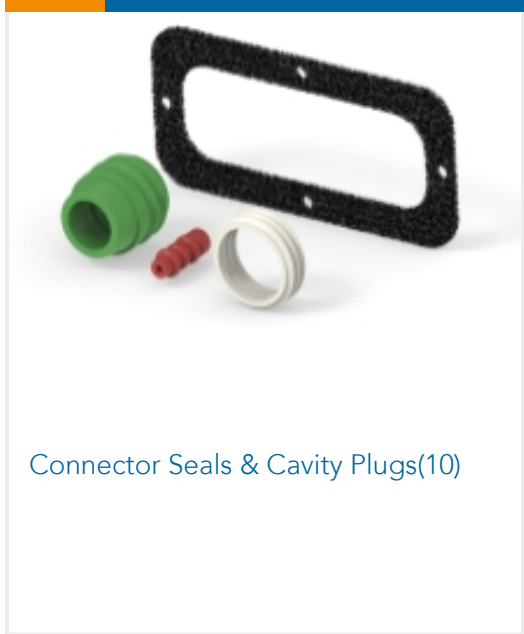
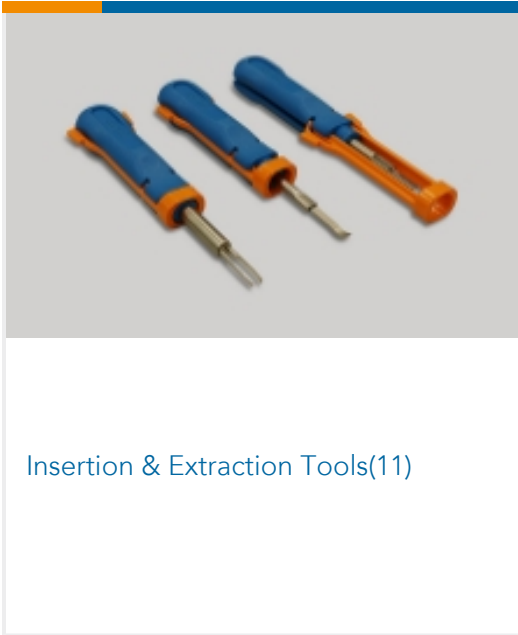
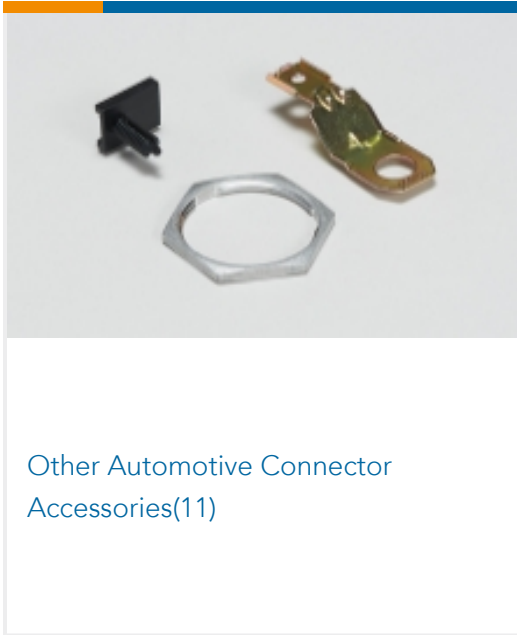
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 # CAT-H396-CH8172 DEUTSCH HDP20 Housings	 TE Part # 2428-025-1805 BKSHL, 18SZ, BLK, ST, L024, HDP	 TE Part # CAT-D48-SP729 DEUTSCH Sealing Plugs	 TE Part # CAT-D48-ST273 DEUTSCH Solid Contacts
 TE Part # CAT-J67-DSCC16 DEUTSCH Size 16 Crimp Contacts	 TE Part # CAT-H396-M8649 Lockwashers and Panel Nuts for Deutsch HDP20	 TE Part # HDC26-18 DUST CAP, 18SZ, REC, BLK, HDP	 TE Part # 18-D-PUNCH D-HOLE PUNCH, SIZE 18
 TE Part # 2300908-1 0460-003-16329, PIN, SOLID, 20- 24AWG, AU	 TE Part # 0411-336-1605 EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU	 TE Part # 16-04978 GASKET, 18SZ, BLK, HD30	 TE Part # CAT-D48-SFT273 DEUTSCH Stamped and Formed Contacts

Also in the Series | DEUTSCH HD

 Automotive Connector Caps & Covers (32)	 Automotive Housings(768)	 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 HDP

Automotive Connector Caps & Covers (4)

Automotive Housings(357)

Connector Backshells(8)

Connector Seals & Cavity Plugs(1)

Insertion & Extraction Tools(11)

Other Automotive Connector Accessories(5)

Customers Also Bought

TE Part # 776537-1
AMPSEAL 16 Housings

TE Part # 2292802-3
AMPSEAL 16 Connectors Backshell

TE Part # YHDP24-24-29PEL024
REC, 29P, BLK, E, WTHD, 12/16/20, P

TE Part # 1027-002-0800
CLIP, STEEL, ZINC, 13MM HOLE, ST, DT8PIN

TE Part # C34252-000
ES1000-NO.3-B8-X-55MM

TE Part # 0830956003
RBK-85-NR5100/A-X-12MM

Documents

Product Drawings

REC, 14P, BLK, E, WTHD, 16, P

English

CAD Files

3D PDF

3D



Customer View Model

[ENG_CVM_CVM_YHDP24-18-14PEL024_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHDP24-18-14PEL024_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHDP24-18-14PEL024_E.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

[CONNECTOR SELECTOR](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English