

HDP24-24-35PE-L024 ✓ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: YHDP24-24-35PEL024

12 V / 24 V / 48 V, 35 Position, Automotive Housing for Male
Terminals, Wire-to-Wire, Sealable, Black, Wire & Cable, Power,
Hybrid

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Automotive Parts > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Nominal Voltage Architecture: 12 V, 24 V, 48 V

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

Number of Positions: **35**

Sealable: **Yes**

Operating Temperature Range: -55 – 125 °C [-67 – 257 °F]

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

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Modification	Wide Threaded Adapter
Connector Seal Code	E Seal
Number of Positions	35

Electrical Characteristics

Operating Voltage	250 VDC
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, 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

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

Housing Features

Housing Material	PA GF
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Dimensions

Compatible Insulation Diameter Range	1.02 – 2.41 mm, 1.35 – 3.05 mm [.04 – .095 in] [.053 – .12 in]
Product Width	50.8 mm [2 in]
Product Length	41.53 mm [1.635 in]
Connector Height	47.63 mm [1.875 in]

Usage Conditions

Operating Temperature Range	-55 – 125 °C [-67 – 257 °F]
Operating Temperature (Max)	125 °C [257 °F]

Operation/Application

Circuit Application	Power
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Industry Standards

IP Rating	IP67
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UL Flammability Rating

20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	200
Packaging Method	Box

Other

Serviceable	Yes
Connector Position Assurance Capable	No

Product Compliance

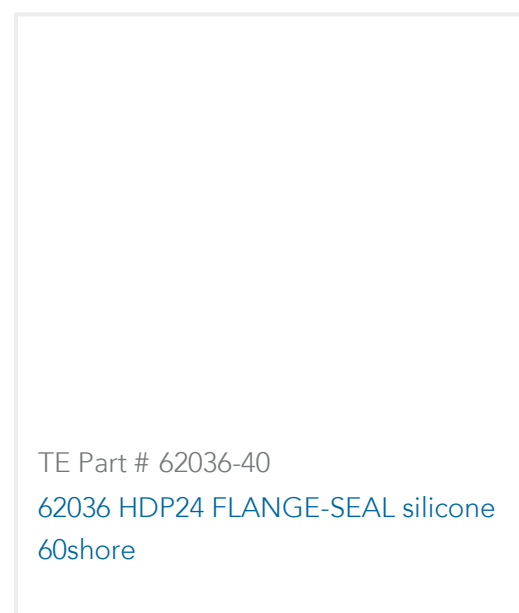
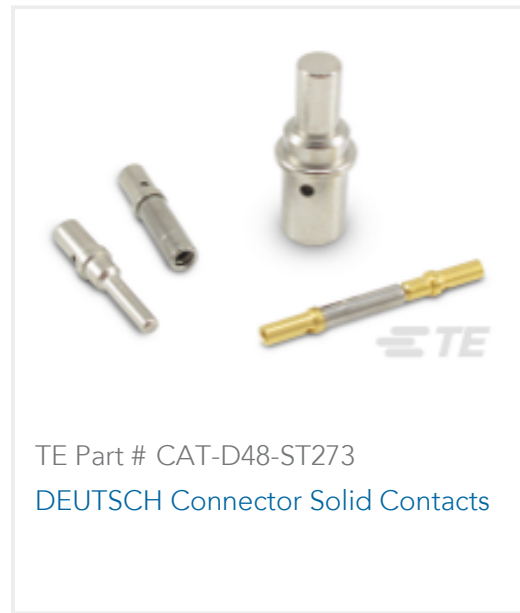
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component part) Decamethylcyclopentasiloxane (D5) (.5% in Component part) Dodecamethylcyclohexasiloxane (D6) (.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



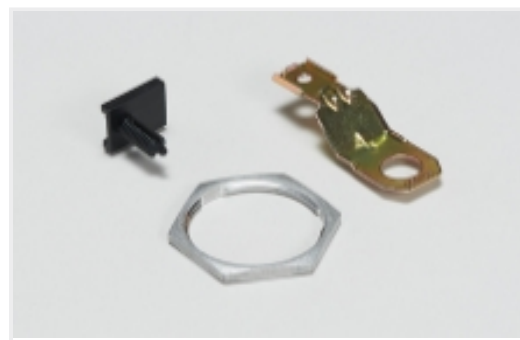
Also in the Series | **DEUTSCH HD**



Automotive Housings(357)



Automotive Seals & Cavity Plugs(1)

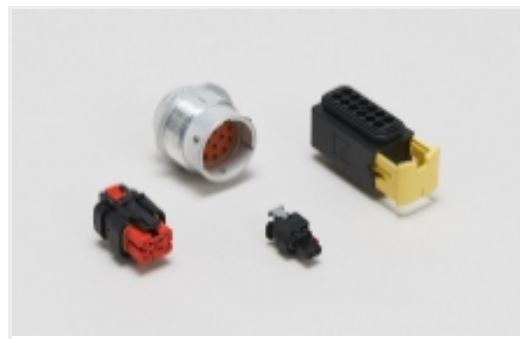


Other Automotive Connector Accessories(7)

Also in the Series | **DEUTSCH HDP**



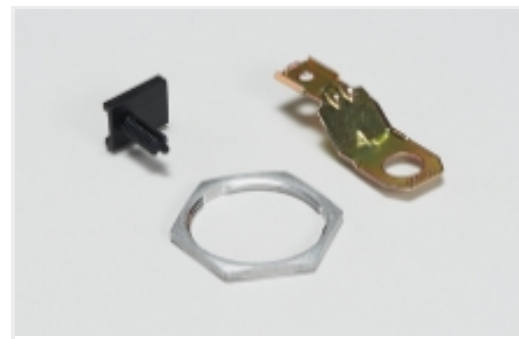
Automotive Connector Caps & Covers (14)



Automotive Housings(357)

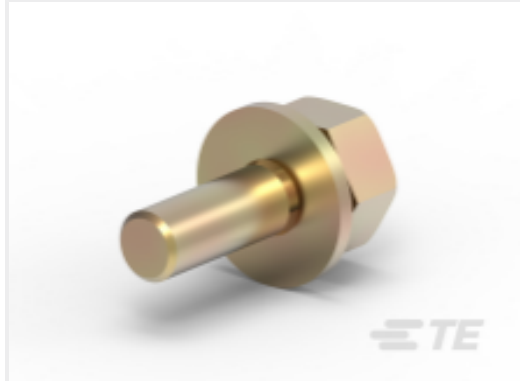


Automotive Seals & Cavity Plugs(1)

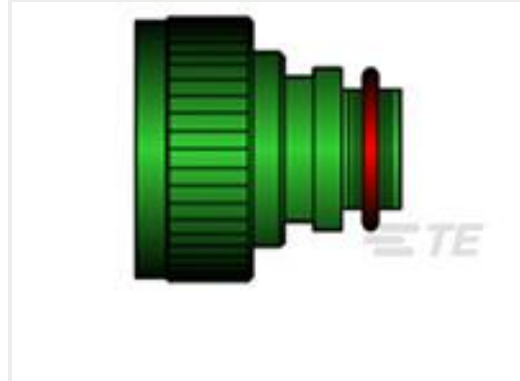


Other Automotive Connector Accessories(7)

Customers Also Bought



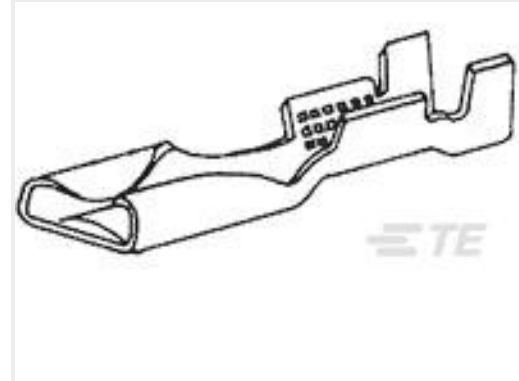
TE Part #HC5881
BAT 1/4" UNC BOLT/WASHER ASSMB



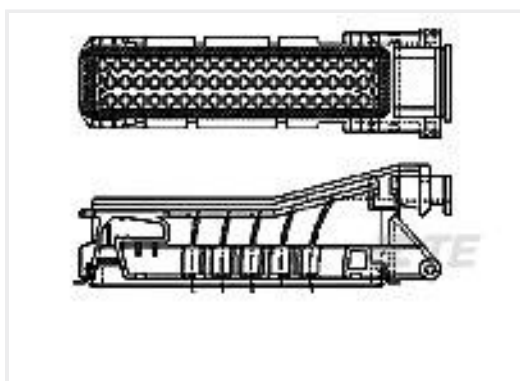
TE Part #234151-000
TXR41AB00-2008AI



TE Part #T4151320004-003
RPC-M12-FS-4CON-PUR-1.5



TE Part #60435-1
FF 187 REC 20-16AWG PTBR



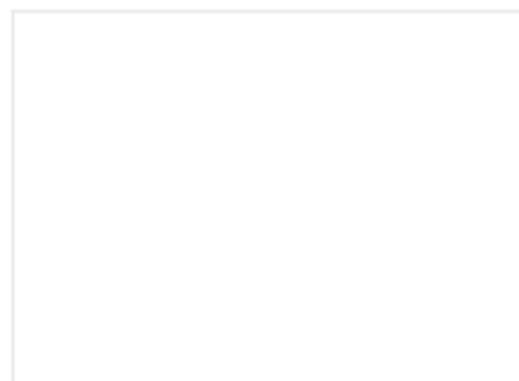
TE Part #828907-1
55P JUN-POW-TIM GEH



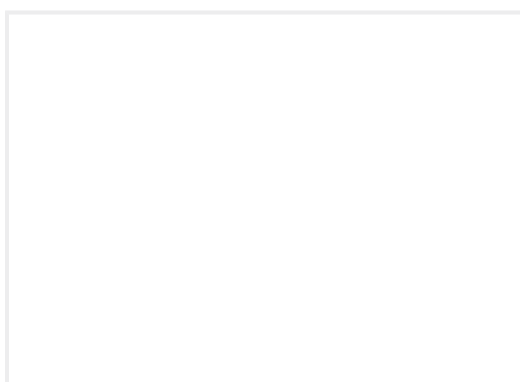
TE Part #1-1801178-6
3W RECEPTACLE HP CONNECTOR BROWN



TE Part #2293819-1
HDP26-18-8SE-L024, PLG, 8P, E, WTHD,12,S



TE Part #2310346-1
DT04-6P-E005



TE Part #2819657-1
DRB16-48SAE-L018



TE Part #4-964284-1
JPT A REC 2.8 Contact SRC Au



Documents

Product Drawings

[REC, 35P, BLK, E, WTHD, 16/20, P](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_YHDP24-24-35PEL024_D.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHDP24-24-35PEL024_D.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_YHDP24-24-35PEL024_D.3d_stp.zip](#)

English

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Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English