HDP24-24-16PE-L024 ✔ ACTIVE

DEUTSCH | DEUTSCH HD, DEUTSCH HDP

TE Internal #: 2293822-1

Receptacle, Wire-to-Wire, 16 Position, Sealable, Black, Wire & Cable, Power, Panel Mount, -55 – 125 °C [-67 – 257 °F], Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings







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

Number of Positions: **16**

Connector & Housing Type: **Receptacle**

Sealable: **Yes**

Mating Pin Diameter: **2.4 mm [.094 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	Receptacle
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	16

Electrical Characteristics

Operating Voltage	250 VAC

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	Size 12
Contact Type	Pin
Mating Pin Diameter	2.4 mm[.094 in]
Contact Current Rating (Max)	25 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	Without
Mating Alignment Type	Guide Post
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA 66 GF

Dimensions

Connector Height	41.5 mm[1.6 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Compatible Insulation Diameter Range	2.9 – 4.5 mm[.114 – .177 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

Degree of Protection	IP67
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	30
Packaging Method	Tray

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 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # CAT-H396-RC8382
Receptacle Protective Caps — DEUTSCH HDP20



TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # Y2428-024-24050000
BKSHL, 24SZ, BLK, ST, L024, HDP



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



TE Part # 1060-12-0144
PIN, SF, SIZE 12, 12-14, AU/SN



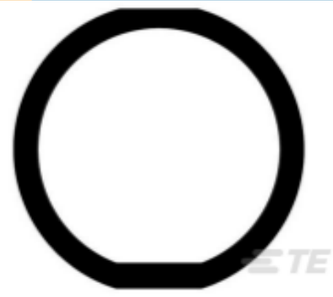
TE Part # 1060-12-0166
PIN, SF, SIZE 12, 12-14, NI/SN



TE Part # 24-D-PUNCH
D-HOLE PUNCH, SIZE 24



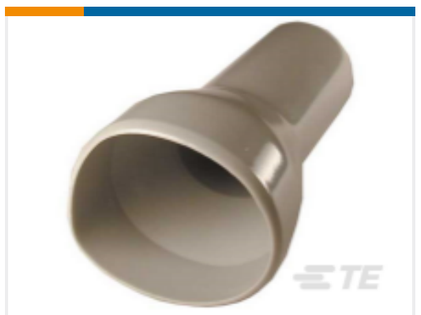
TE Part # 0411-337-1205
EXT TOOL, SIZE 12, 12-14 AWG, E, ORG



TE Part # 16-04477
GASKET, 24SZ, BLK, HD30



TE Part # 1060-12-0222
PIN, SF, SIZE 12, 10, NI/NI



TE Part # HD30-24BT
BOOT, 24SZ, ST, GRY



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

TE Part # 1060-12-0244
PIN, SF, SIZE 12, 10, AU/SN

TE Part # 62036-40
62036 HDP24 FLANGE-SEAL silicone 60shore

Also in the Series | DEUTSCH HD



Automotive Connector Caps & Covers (32)



Automotive Housings(768)



Connector Backshells(29)



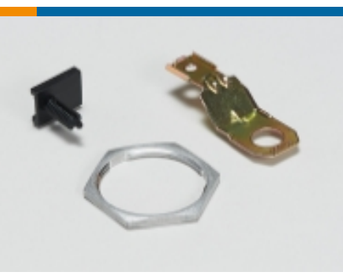
Connector Seals & Cavity Plugs(10)



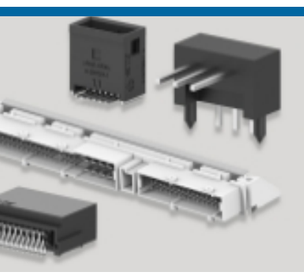
Connector Strain Relief(5)



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 #776539-3
AS16,CAP ASSY,ST,12P,E SEAL,CODE C



TE Part #HDP24-24-16PN-L017
DEUTSCH HDP20 Housings



TE Part #321890
TERMINAL,SOLIS R HT 22-16 8



TE Part #2292863-2
AS16,CAP BACKSHELL KIT,ST,06P, NC16

TE Part #1732007-1
90 DEGREE WIRE DRESS

TE Part #879103-3
EINSTELLK. F ASSY

Documents

Product Drawings

HDP24-24-16PE-L024, REC, 16P, E,THD,12,P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2293822-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2293822-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2293822-1_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

Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

141991-2 175977-2 2005330-1 3430B2F51RTDF 917696-1 CPF0402B37K4E1 2310537-1 TE50BR39J
U5254-000005-030PA 2-292161-3 RH73H2A40MKTN SMW73R0JT 1743455-2 3631B101LL 2377783-2
MPT100C18RF ROX05SJ18R SBCHE64R7K 1969656-1 2380312-2 1903112-2 3-1393225-0
CRGCQ2010J3K3 SBCHE154R7K 1393431-1 2834055-1 650075-000 936348-1 1-794222-0 1-962915-1