

HDP24-24-21PN

✓ ACTIVE

DEUTSCH | DEUTSCH HDP, DEUTSCH HD

TE Internal #: HDP24-24-21PN

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

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: 21
Connector & Housing Type: Housing for Male Terminals
Mating Pin Diameter: 1.6 mm, 2.4 mm [.063 in, .094 in]
Connector System: Wire-to-Panel
Sealable: Yes

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

Features

Housing Features

Housing Material	PA 66 GF
------------------	----------

Industry Standards

IP Rating	IP67
UL Flammability Rating	UL 94V-0

Dimensions

Compatible Insulation Diameter Range	1.4 – 3.8 mm, 3.6 – 5.2 mm[.055 – .15 in][.14 – .204 in]
Product Width	47.6 mm[1.87 in]
Product Length	50.8 mm[2 in]
Connector Height	41.9 mm[1.65 in]

Packaging Features

Packaging Quantity	150
Packaging Method	Tray

Mechanical Attachment

Strain Relief	Without
Terminal Position Assurance	No
Mating Alignment Type	Polarizing Slot



Mating Alignment	With
Connector Mounting Type	Panel Mount

Other

Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Contact Features

Contact Size	Size 16, Size 12
Contact Type	Pin
Mating Pin Diameter	1.6 mm, 2.4 mm[.063 in][.094 in]
Contact Current Rating (Max)	25 A, 13 A

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Connector Seal Code	N Seal
Number of Positions	21

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
-----------------------------	----------------



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

Operation/Application

Circuit Application	Power
---------------------	-------

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: JUNE 2024 (241) 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

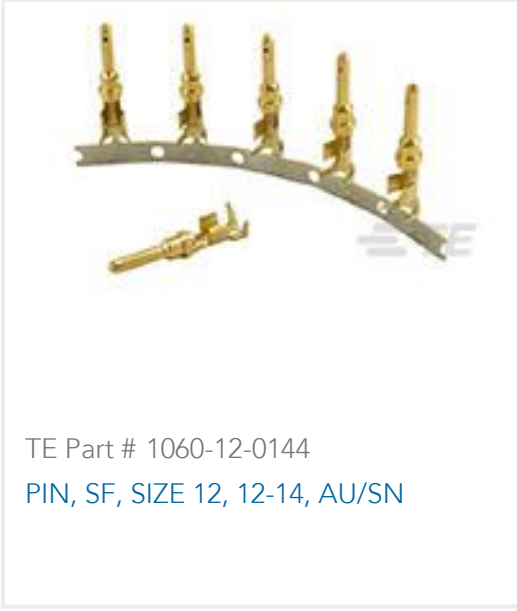
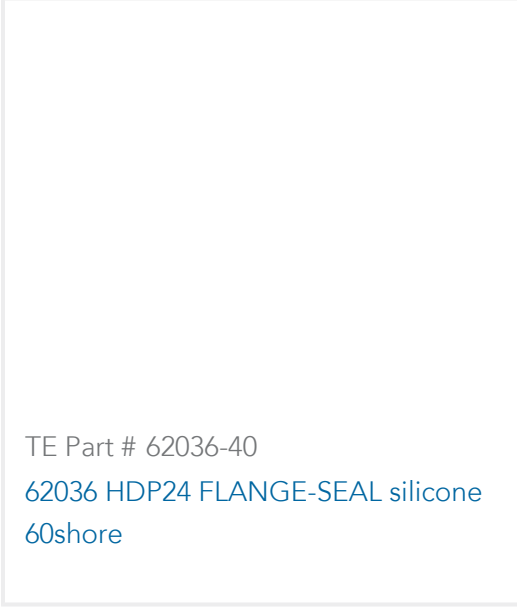
Product Compliance Disclaimer

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

HDP24-24-21PN

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



Also in the Series | **DEUTSCH HD**



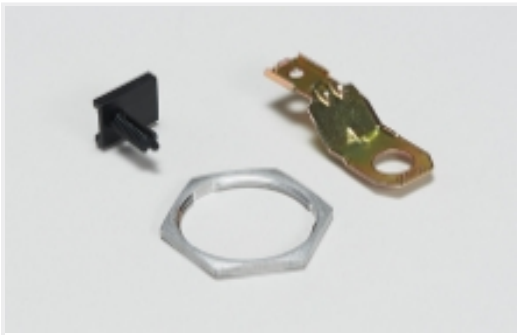
Automotive Connector Caps & Covers (4)



Automotive Housings(357)



Connector Strain Relief(5)



Other Automotive Connector Accessories(6)

Also in the Series | **DEUTSCH HDP**



Automotive Connector Caps & Covers (4)



Automotive Housings(357)



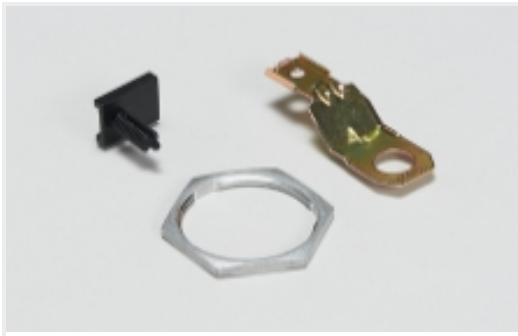
Connector Backshells(10)



Connector Seals & Cavity Plugs(1)



Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #CAT-H396-M8649
Lockwashers and Panel Nuts for Deutsch HDP20



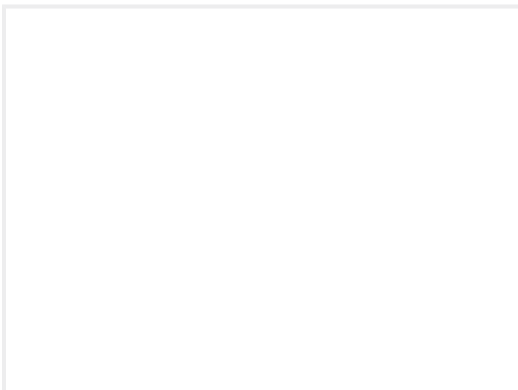
TE Part #2371885-2
35POS,AMPSEAL,SOC HSG ASSY,SLD, COD 2



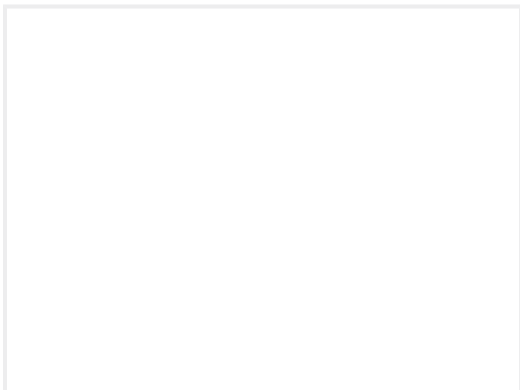
TE Part #0460-204-12141
PIN, SOLID, SIZE 12, 12-14AWG, NI



TE Part #1011-232-0305
BKSHL, 3P, BLK, PLG, RA, NW6/7.5/8.5 /10



TE Part #HD44-18-14PN
KT RC HD30 18 SHL 14 WY N SEAL



TE Part #HD46-18-14SN
KT PL HD30 18 SHL 14 WY N SEAL



Documents

Product Drawings

REC, 21P, BLK, N, 12/16, P

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_HDP24-24-21PN_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-21PN_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_HDP24-24-21PN_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

DEUTSCH HD30 & HDP20 CONNECTOR SERIES

English

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English