

HDP24-18-8PN-L017 ✓ ACTIVE

DEUTSCH | DEUTSCH HDP, DEUTSCH HD

TE Internal #: HDP24-18-8PN-L017

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH HDP20 Housings



Number of Positions: 8

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

Mating Pin Diameter: 2.4 mm [.094 in]

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

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 | 3.6 – 5.2 mm [.14 – .204 in] |
|--------------------------------------|------------------------------|

| | |
|---------------|-------------------|
| Product Width | 41.3 mm [1.62 in] |
|---------------|-------------------|

| | |
|----------------|-------------------|
| Product Length | 44.4 mm [1.75 in] |
|----------------|-------------------|

| | |
|------------------|-------------------|
| Connector Height | 44.4 mm [1.75 in] |
|------------------|-------------------|

Packaging Features

| | |
|--------------------|---|
| Packaging Quantity | 1 |
|--------------------|---|

| | |
|------------------|---------|
| Packaging Method | Package |
|------------------|---------|

Mechanical Attachment

| | |
|-----------------------------|-------------|
| Strain Relief | Without |
| Terminal Position Assurance | No |
| Mating Alignment Type | Guide Post |
| 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 12 |
| Contact Type | Pin |
| Mating Pin Diameter | 2.4 mm[.094 in] |
| Contact Current Rating (Max) | 25 A |

Product Type Features

| | |
|-----------------------------------|----------------------------|
| Mixed & Hybrid Connector | No |
| Connector Shape | Circular |
| Connector & Housing Type | Housing for Male Terminals |
| Connector System | Wire-to-Wire |
| 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 | 8 |
|---------------------|---|

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](https://www.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 | <p>Current ECHA Candidate List: JUNE 2024 (241)</p> <p>Candidate List Declared Against: JUNE 2024 (241)</p> <p>SVHC > Threshold:</p> <p>Octamethylcyclotetrasiloxane (D4) (.4% in Component Part)</p> |
|--|--|

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>

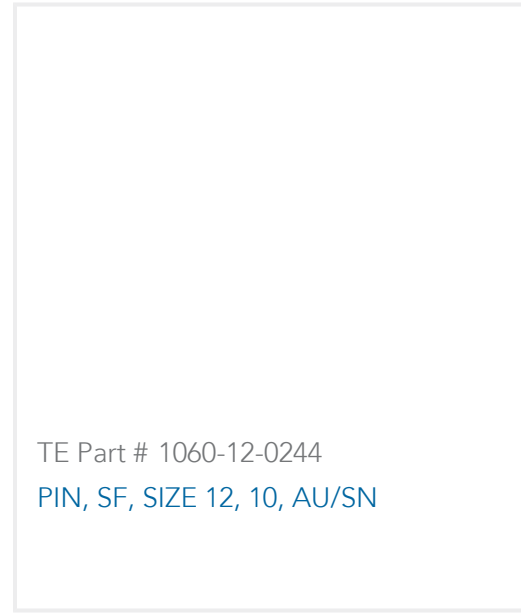
Compatible Parts



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # 114010-ZZ
EXT TOOL, SIZE 12, 12 AWG, N, YEL



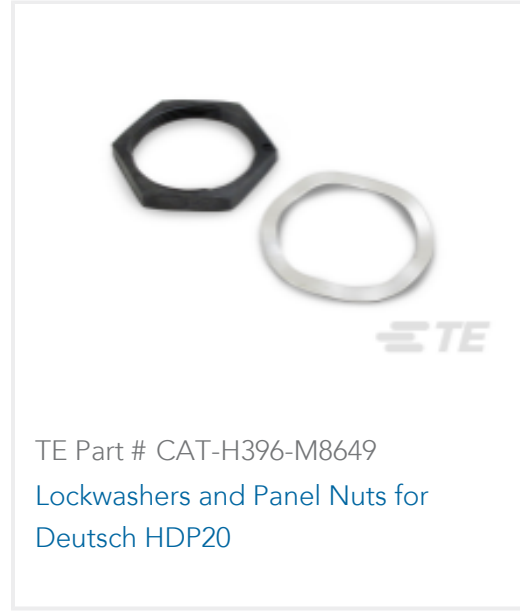
TE Part # 1060-12-0244
PIN, SF, SIZE 12, 10, AU/SN



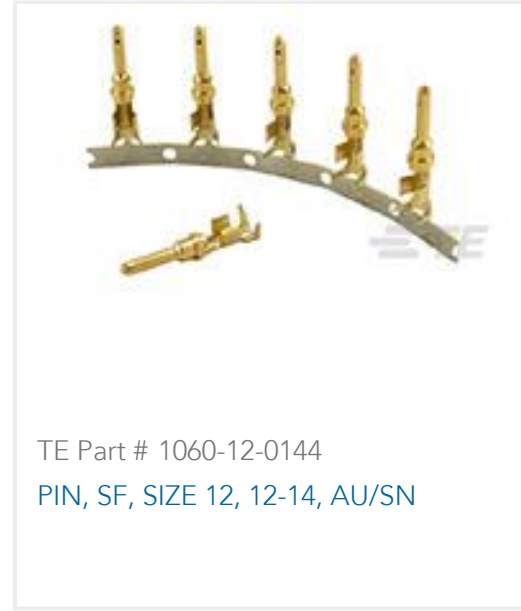
TE Part # CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part # CAT-H396-B128
DEUTSCH HDP20 Backshells



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



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



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # 16-04978
GASKET, 18SZ, BLK, HD30



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



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



TE Part # 18-D-PUNCH
D-HOLE PUNCH, SIZE 18



TE Part # HDC26-18
DUST CAP, 18SZ, REC, BLK, HDP

Also in the Series | **DEUTSCH HD**



Automotive Headers(1)



Automotive Housings(357)



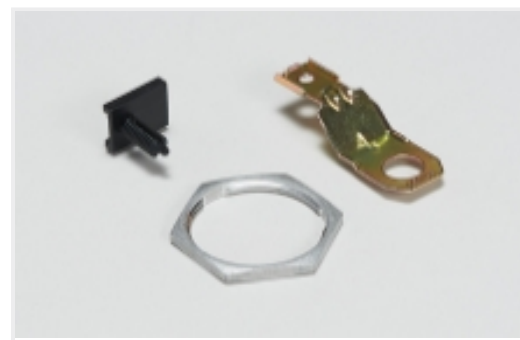
Connector Backshells(10)



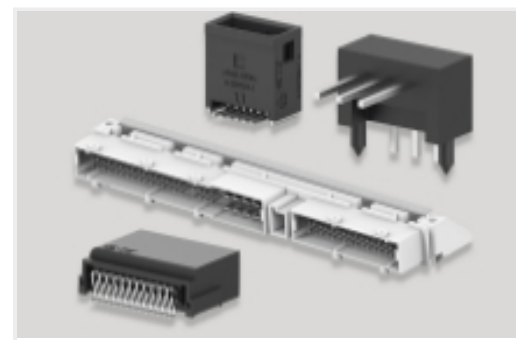
Connector Strain Relief(5)



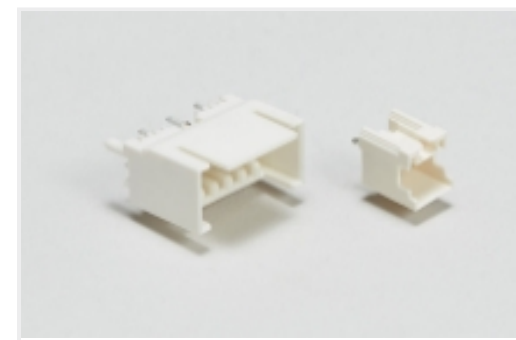
Insertion & Extraction Tools(11)



Other Automotive Connector Accessories(6)



PCB Headers & Receptacles(1)



Wire-to-Board Headers & Receptacles (1)

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-D48-ST273
DEUTSCH Solid Contacts



TE Part #2286003-3
2POS. DT. REC HSG. ASSY. SEALED



TE Part #HDC36-18
DUST CAP, 18SZ, REC, AL, LANYARD, HD30



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



TE Part #CAT-H396-CH8172
DEUTSCH HDP20 Housings



TE Part #2286014-2
TPA, LED, ASSY



TE Part #2428-016-1805
BKSHL, 18SZ, BLK, ST,NW13/17/19, L017,HDP



Documents

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_HDP24-18-8PN-L017_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-18-8PN-L017_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_HDP24-18-8PN-L017_B.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[DEUTSCH HD30 & HDP20 CONNECTOR SERIES](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English