

DRCP28-86SA ✓ ACTIVE

DEUTSCH | DEUTSCH DRCP

TE Internal #: DRCP28-86SA

Housing for Female Terminals, Wire-to-Wire, 86 Position, .223 in / .315 in [8 mm / 5.66 mm] Centerline, Sealable, Black, Wire & Cable, DEUTSCH DRCP

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Connectors > Automotive Connectors > Connector Housings



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

Mating Pin Diameter: 1.02 mm, 2.39 mm [.04 in, .094 in]

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

Number of Positions: **86**

Centerline (Pitch): 5.66 mm, 8 mm [.223 in, .315 in]

Features

Product Type Features

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

Configuration Features

Number of Positions	86
Number of Rows	10

Electrical Characteristics

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

Body Features



Cable Exit Angle	180°
Body Material	PA GF
Primary Product Color	Black
Connector Code	A

Contact Features

Contact Size	Size 12, Size 20
Contact Type	Socket
Mating Pin Diameter	1.02 mm, 2.39 mm [.04 in][.094 in]
Contact Current Rating (Max)	7.5 A, 25 A

Mechanical Attachment

Mounting Feature	Without
Terminal Position Assurance	Yes
Strain Relief	With
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Centerline (Pitch)	5.66 mm, 8 mm [.223 in][.315 in]
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Dimensions

Product Width	68.2 mm [2.685 in]
Product Length	96 mm [3.78 in]
Product Height	53.13 mm [2.093 in]
Row-to-Row Spacing	4.09 mm [.161 in]
Accepts Wire Insulation Diameter Range	1.6 – 3.15 mm, 3. – 5.33 mm [.063 – .124 in][.118 – .21 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	Not Tested
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UL Flammability Rating Not tested

Packaging Features

Packaging Quantity	36
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: JUNE 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.51% 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-D48-ST273
DEUTSCH SOLID CONTACTS



TE Part # DT-RT1
EXT TOOL, FRONT RELEASE



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-D48-SFT273
DEUTSCH STAMPED & FORMED CONTACTS



TE Part # DRCP24-86PA
REC, 86P, BLK, 12/20, A



TE Part # DRCP25-86PAA-G005
HDR, 86P, BLK, ST, 12/20, SN/NI/CU, AA



TE Part # 4828-008-8605
BKSHL, 86P, BLK, HORIZONTAL, DRCP

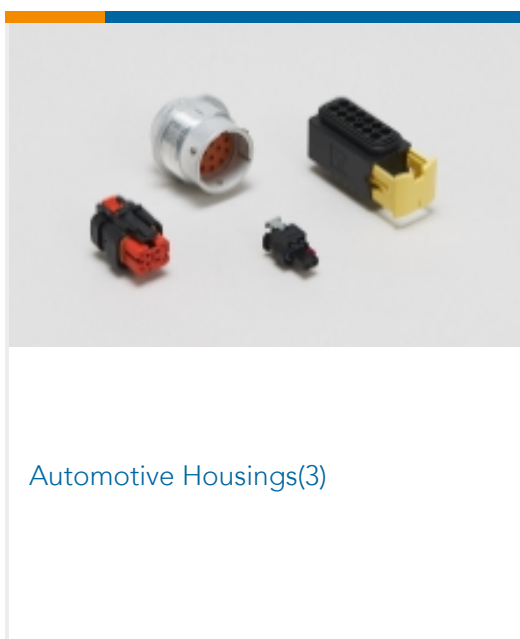


TE Part # 4828-007-8605
BKSHL, 86P, BLK, VERTICAL, DRCP

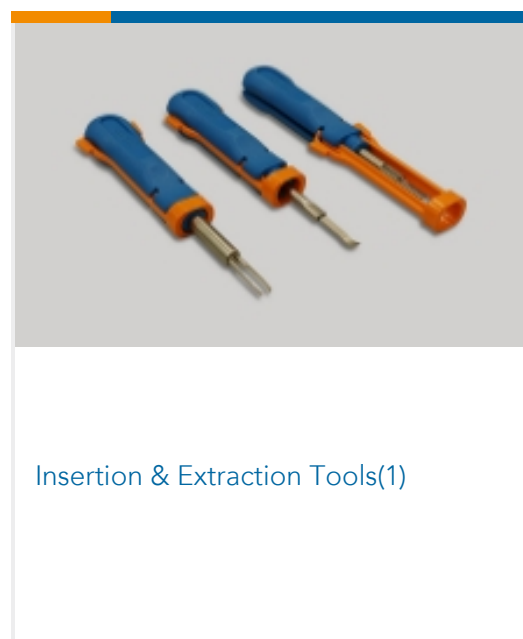


TE Part # DRCP25-86PAA-G003
HDR, 86P, BLK, ST, 12/20, AU/NI/CU, AA

Also in the Series | **DEUTSCH DRCP**



Automotive Housings(3)



Insertion & Extraction Tools(1)

Customers Also Bought



TE Part #WB-51PAL
WEDGE LOCK, 102P, REC, GRY, LF, DRB, A



TE Part #YHDP24-18-14PEC041
REC, 14P, BLK, E, KEY, 16, P



TE Part #AEC14-40PAE-E019
REC, 40P, BLK, E, XCAP, A



TE Part #DT04-2P-P049
REC, 2P, GRY, 4700 OHM RESISTOR, AU



TE Part #2-1437507-1
8136-475G9=JUMPER PLUG ASSY



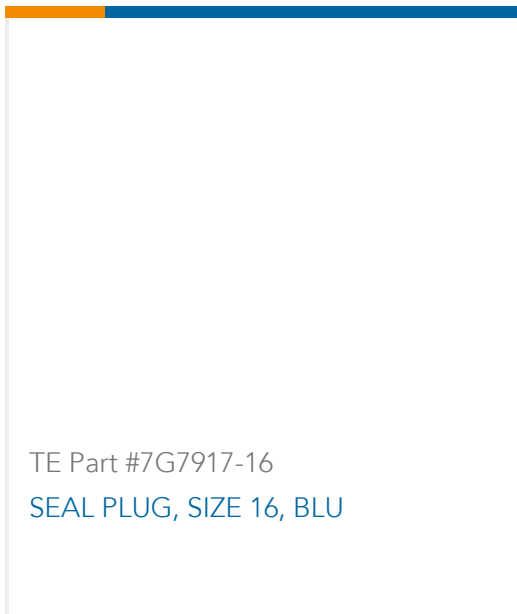
TE Part #DRCP28-86SB
PLG, 86P, BLK, 12/20, B



TE Part #DRCP28-86SC
PLG, 86P, BLK, 12/20, C



TE Part #4828-007-8605
BKS HL, 86P, BLK, VERTICAL, DRCP



TE Part #7G7917-16
SEAL PLUG, SIZE 16, BLU

Documents

Product Drawings

[PLG, 86P, BLK, 12/20, A](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DRCP28-86SA_B.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRCP28-86SA_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRCP28-86SA_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

[Product Specification](#)

English