

DRC26-50S03 ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC26-50S03

Housing for Female Terminals, Wire-to-Wire, 50 Position, .174 in [4.42 mm] Centerline, Sealable, Black, Wire & Cable, Signal, DEUTSCH DRC

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings



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

Number of Positions: **50**

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

Centerline (Pitch): **4.42 mm [ .174 in ]**

Sealable: **Yes**

[All DEUTSCH DRC Housings \(112\)](#)

## Features

### Product Type Features

Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Contact Retainer

### Configuration Features

Number of Positions	50
Number of Rows	5

### Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	24 V, 48 V

### Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	03



### Contact Features

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

### Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	PA GF
Centerline (Pitch)	4.42 mm[.174 in]

### Dimensions

Connector Height	36.45 mm[1.435 in]
Product Width	68.58 mm[2.7 in]
Product Length	32.36 mm[1.274 in]
Row-to-Row Spacing	4.42 mm[.174 in]
Compatible Insulation Diameter Range	1.02 – 2.41 mm[.04 – .095 in]

### Usage Conditions

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

### Operation/Application

Circuit Application	Signal
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### Industry Standards

Degree of Protection	Not Tested
Agency/Standard	SAE J2030
UL Flammability Rating	20mm Flame Test per Standard UL-94

### Packaging Features

Packaging Quantity	125
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Packaging Method	Box
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### 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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) <b>Article Safe Usage Statements:</b> 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>

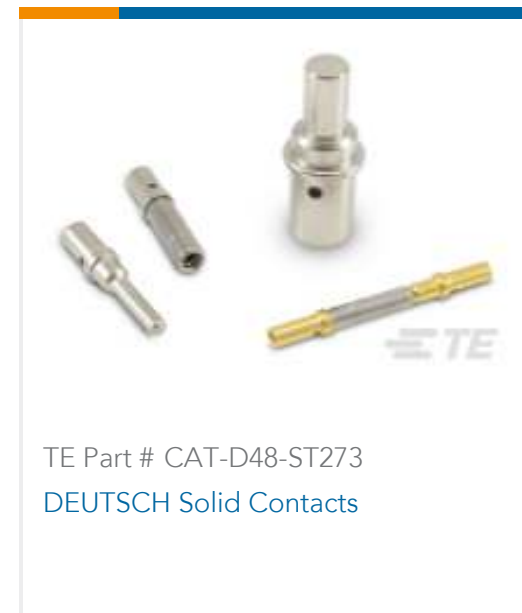
## Compatible Parts



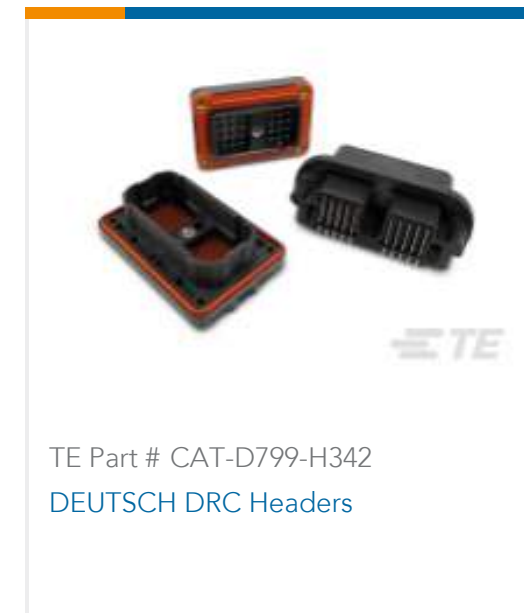
TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



TE Part # CAT-D799-B128  
DEUTSCH DRC Backshells



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part # CAT-D799-H342  
DEUTSCH DRC Headers



TE Part # 0411-240-2005  
EXT TOOL, SIZE 20, 16-22 AWG, N,  
RED



TE Part # 1062-20-0622  
SOC, SF, SIZE 20, 14-16, NI/NI



TE Part # 1062-20-0244  
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1062-20-0222  
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part # 1062-20-0322  
SOC, SF, SIZE 20, 16-22, SLEVLSS, NI  
/NI



TE Part # 1062-20-0122  
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part # 1062-20-0144  
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1062-20-0377  
SOC, SF, SIZE 20, 16-22, SLEVLSS, SN  
/SN



TE Part # 1062-20-0177  
SOC, SF, SIZE 20, 16-22, SN/SN



TE Part # 1062-20-0277  
SOC, SF, SIZE 20, 16-22, SN/SN



TE Part # 1062-20-0344  
SOC, SF, SIZE 20, 16-22, SLEVLSS, AU  
/SN



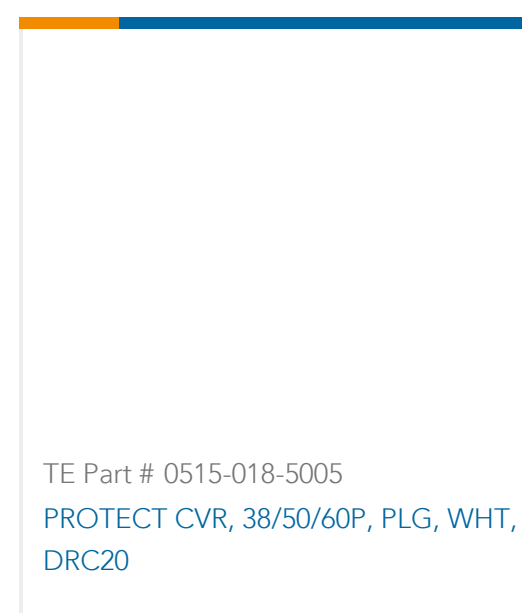
TE Part # 1062-20-0644  
SOC, SF, SIZE 20, 14-16, AU/SN



TE Part # 1062-20-0677  
SOC, SF, SIZE 20, 14-16, SN/SN



TE Part # DRC26-50BT  
BOOT, 50P, 20SZ, PLG/REC, ST, BLK



TE Part # 0515-018-5005  
PROTECT CVR, 38/50/60P, PLG, WHT,  
DRC20



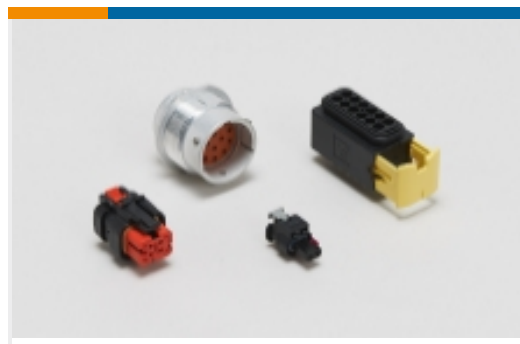
TE Part # 1060-20-0677  
PIN, SF, SIZE 20, 14-16, SN/SN

Also in the Series | **DEUTSCH DRC**





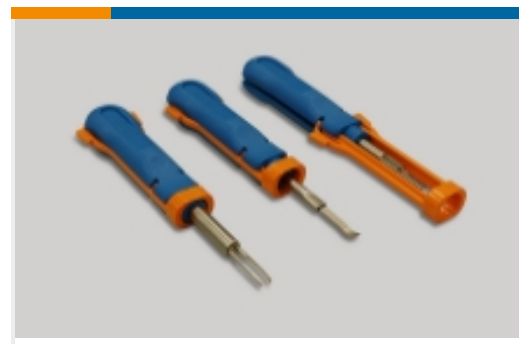
Automotive Connector Caps & Covers (3)



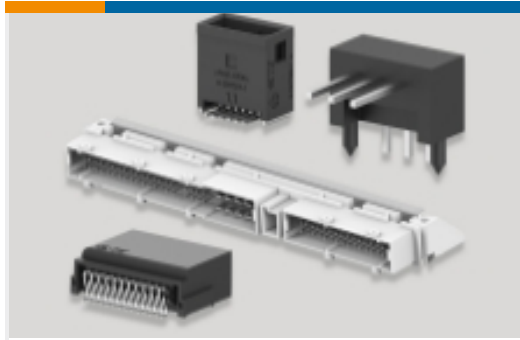
Automotive Housings(112)



Connector Backshells(6)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

## Customers Also Bought



TE Part #0528-001-5005  
BKSHL, 50P, BLK, PLG, RA, NW 17



TE Part #DT06-3S-CP01  
DEUTSCH DT Plug Connectors



TE Part #DRC26-60S05  
DEUTSCH DRC Housings



TE Part #W2SA-P012  
WEDGE LOCK, 2P, PLG, GRY, SL RET, DT, A



TE Part #DTMH06-2SA  
PLG, 2P, BLK, N, HI TEMP, A



TE Part #776315-1  
68 POSITION PLUG ASSEMBLY

## Documents

**Product Drawings**  
PLG, 50P, BLK, N, 03

English

**CAD Files**

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DRC26-50S03\_99\_c-drc26-50s03-99.2d\_dxf.zip



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_DRC26-50S03\\_99\\_c-drc26-50s03-99.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_DRC26-50S03\\_99\\_c-drc26-50s03-99.3d\\_stp.zip](#)

English

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## Datasheets & Catalog Pages

[ICT Terminals and Connectors Catalogue](#)

English

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## Product Specifications

[Product Specification](#)

English

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## Agency Approvals

[UL Report](#)

English