

# DRC18-40SBE-P013 ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC18-40SBE-P013

40 Position Housing, Housing for Female Terminals, Wire-to-Wire, 5.49 mm [.216 in] Centerline, Sealable, Black, Wire & Cable, Power, DEUTSCH DRC

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings



Number of Positions: 40

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

Mating Pin Diameter: 1.59 mm [.063 in]

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

Centerline (Pitch): 5.49 mm [.216 in]

[All DEUTSCH DRC Housings \(117\)](#)

## Features

### Industry Standards

IP Rating	IP6K9K, IP68
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	20mm Flame Test per Standard UL-94

### Dimensions

Row-to-Row Spacing	5.49 mm[.216 in]
Product Width	72.85 mm[2.868 in]
Product Length	40.44 mm[1.592 in]
Connector Height	30.53 mm[1.202 in]

### Packaging Features

Packaging Quantity	125
Packaging Method	Box

### Mechanical Attachment

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With



Connector Mounting Type	Cable Mount (Free-Hanging)
<b>Other</b>	
Serviceable	Yes
Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant
<b>Electrical Characteristics</b>	
Operating Voltage	250 VDC
Nominal Voltage Architecture	250 V
<b>Body Features</b>	
Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	B
<b>Housing Features</b>	
Housing Material	PPS GF
Centerline (Pitch)	5.49 mm [.216 in]
<b>Contact Features</b>	
Contact Size	Size 16
Contact Type	Socket
Mating Pin Diameter	1.59 mm [.063 in]
Contact Current Rating (Max)	13 A
<b>Product Type Features</b>	
Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable
<b>Configuration Features</b>	
Blank Cavity Position	0
Connector Modification	Bonded Front Seal



Connector Seal Code	E Seal
Number of Positions	40
Number of Rows	4

### Usage Conditions

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

### Operation/Application

Circuit Application	Power
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## 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) (.4% 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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



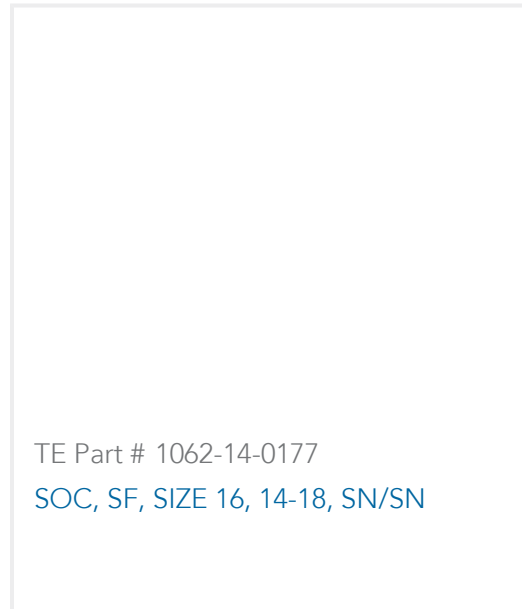
TE Part # 0411-336-1605  
EXT TOOL, SIZE 16, 16-20 AWG, E, DRK BLU



TE Part # CAT-D799-CH8172  
DEUTSCH DRC Housings



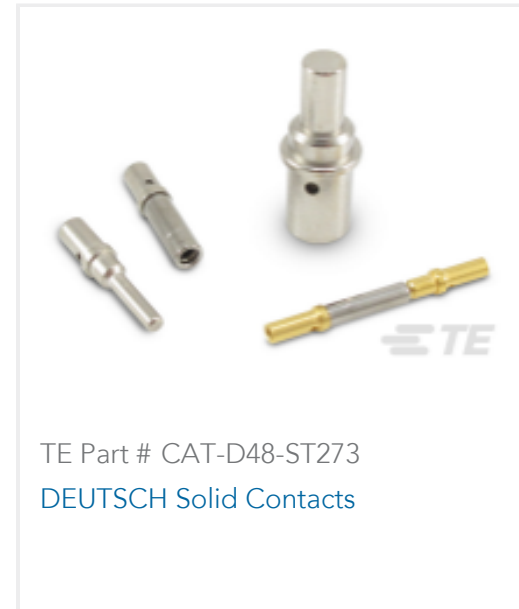
TE Part # DRC40-BT-90DEG  
BOOT, 40P, 16SZ, PLG/REC, RA, BLK



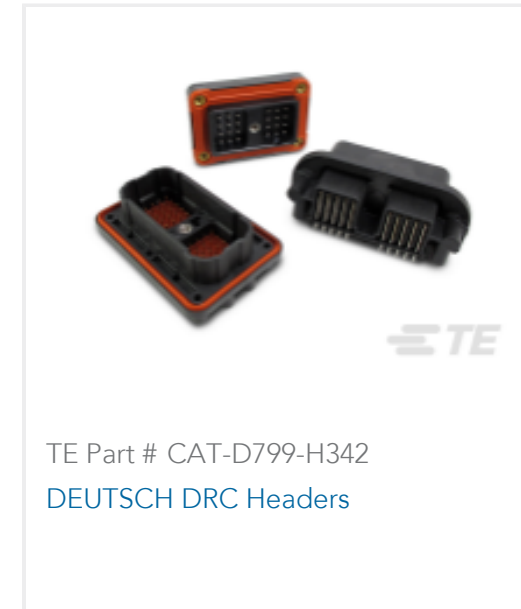
TE Part # 1062-14-0177  
SOC, SF, SIZE 16, 14-18, SN/SN



TE Part # CAT-J67-DSCC16  
DEUTSCH Size 16 Crimp Contacts



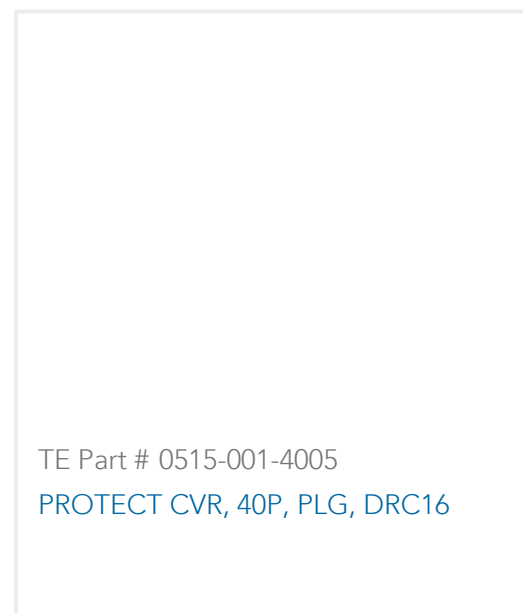
TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part # CAT-D799-H342  
DEUTSCH DRC Headers

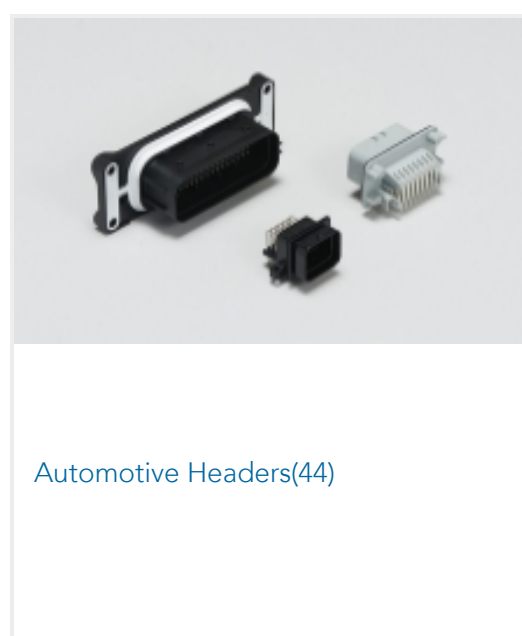


TE Part # DRC40-BT  
BOOT, 40P, 16SZ, PLG/REC, ST, BLK

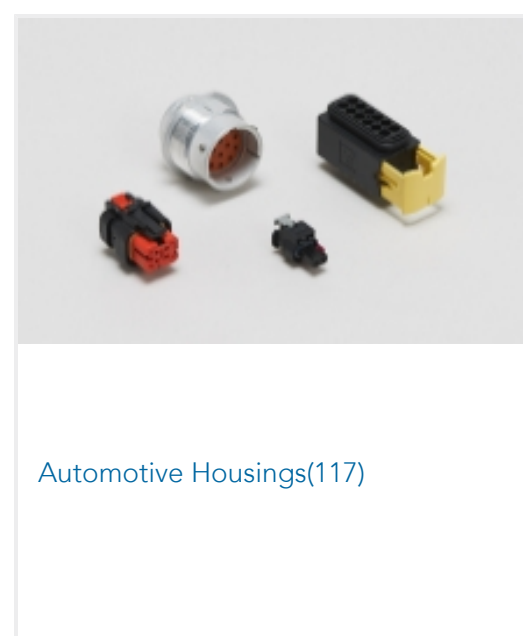


TE Part # 0515-001-4005  
PROTECT CVR, 40P, PLG, DRC16

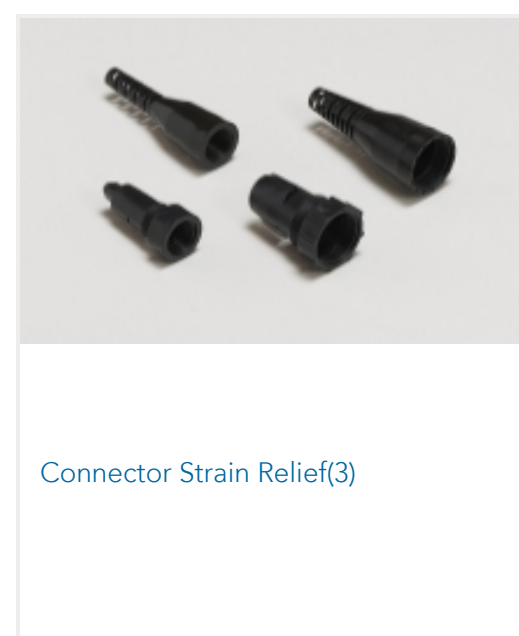
Also in the Series | **DEUTSCH DRC**



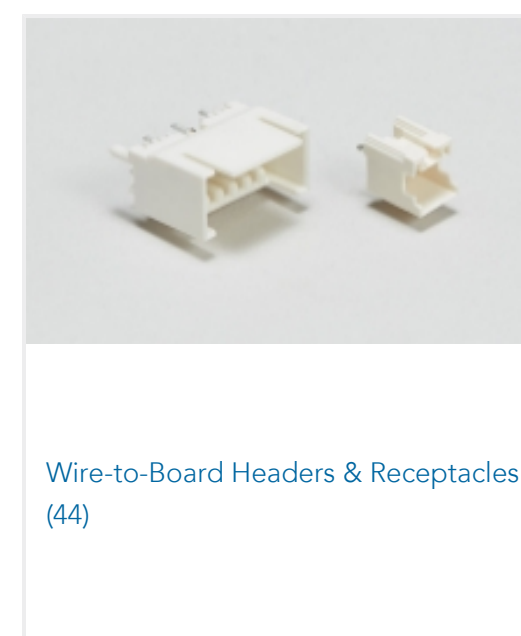
Automotive Headers(44)



Automotive Housings(117)



Connector Strain Relief(3)



Wire-to-Board Headers & Receptacles (44)

Customers Also Bought



TE Part #CAT-D799-CH8172  
DEUTSCH DRC Housings



TE Part #DRC40-BT  
BOOT, 40P, 16SZ, PLG/REC, ST, BLK



TE Part #W2SB-P012  
WEDGE LOCK, 2P, PLG, BLK, SL RET, DT, B



TE Part #8-2176479-1  
RA73F 1J 348R 0.1% 5K RL



## Documents

### Product Drawings

[PLG, 40P, BLK, E, SEAL BOND, B](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC18-40SBE-P013\\_B.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC18-40SBE-P013\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC18-40SBE-P013\\_B.3d\\_stp.zip](#)

English

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### Datasheets & Catalog Pages

[TERMINALS AND CONNECTORS](#)

English

[CONNECTOR SELECTOR](#)

English

### Product Specifications

[Application Specification](#)

English

### Agency Approvals

[UL Report](#)

English