



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings



Number of Positions: 40

Connector & Housing Type: Housing for Male 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

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Male Terminals
Connector System	Wire-to-Wire
Sealable	Yes
Primary Locking Feature	Integrated in Housing
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Blank Cavity Position	0
Number of Positions	40
Number of Rows	4

Electrical Characteristics

Operating Voltage	250 VDC
Nominal Voltage Architecture	12 V, 24 V, 48 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black



Connector & Keying Code	A
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Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

Strain Relief	Add By Accessory
Terminal Position Assurance	No
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PPS GF
Centerline (Pitch)	5.49 mm[.216 in]

Dimensions

Row-to-Row Spacing	5.49 mm[.216 in]
Product Width	97.54 mm[3.84 in]
Product Length	43.15 mm[1.699 in]
Connector Height	53.29 mm[2.098 in]

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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Industry Standards

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

Packaging Features

Packaging Quantity	60
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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: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.4% in 10770334040) 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	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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

DRC12-40PAE

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





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



TE Part # 0515-002-4005
PROTECT CVR, 40P, REC, DRC16



TE Part # HDT-04-08
CRIMP TOOL, HDT-04-08



TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings



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



TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts



TE Part # 0504-001-4001
DUST CAP, 40P, REC, BLK, DRC16



TE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



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



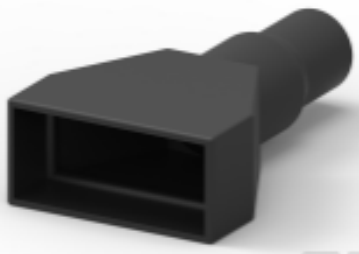
TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



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



TE Part # DRC40-GKT
GASKET, 40P, BLK, DRC16



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

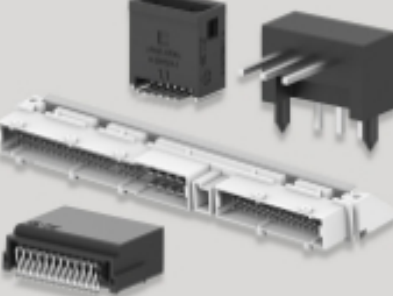
Also in the Series | **DEUTSCH DRC**



Automotive Housings(117)



Connector Strain Relief(3)



PCB Headers & Receptacles(44)



Rectangular Power Connectors(44)

Customers Also Bought

DRC12-40PAE

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



TE Part #2301692-1
DUST CAP, 9P, REC, GRN, J1939, HD10



TE Part #0528-012-7005
BKSHL, 70P, BLK, PLG, RA, NO RIB, NW 26



TE Part #DRC12-40PBE
REC, 40P, BLK, E, FLANGE, B



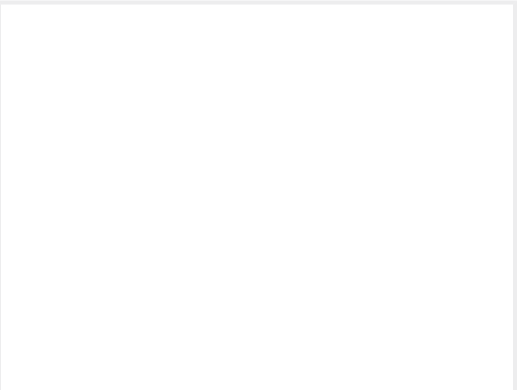
TE Part #5896073001
TR16-35-2



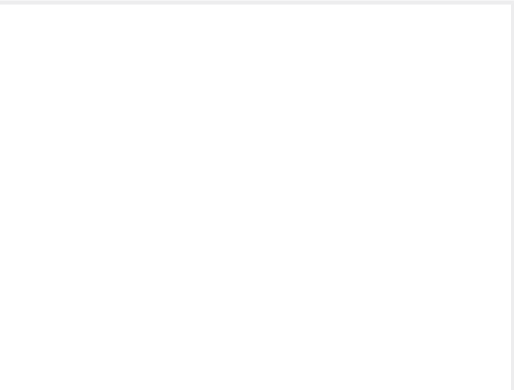
TE Part #CAT-AQ6-CIFA
Charging Inlets Flap Assembly



TE Part #2311753-2
2POS,PCON12,REC HSG ASSY, 180DEG,COD B



TE Part #8N1514-32-37S
PLG, 37P, AL, N, 16, S



TE Part #0513-009-2406
SEAL, INTF, 24P, BRN, DRC16



TE Part #806126-SF
FN3256H-16-29

Documents

Product Drawings

REC, 40P, BLK, E, FLANGE, A

English

CAD Files

Customer View Model

ENG_CVM_CVM_DRC12-40PAE_99.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC12-40PAE_99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC12-40PAE_99.3d_stp.zip

English

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

Datasheets & Catalog Pages



TERMINALS AND CONNECTORS

English

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English