DRC12-40PB ✔ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC12-40PB

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

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

Number of Positions: **40**

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

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

Sealable: **Yes**

All DEUTSCH DRC Housings (117)

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black

Connector & Keying Code	B

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

Terminal Position Assurance	No
Strain Relief	Add By Accessory
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

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

Usage Conditions

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

Operation/Application

Circuit Application	Power

Industry Standards

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

Packaging Features

Packaging Quantity	60

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 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
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



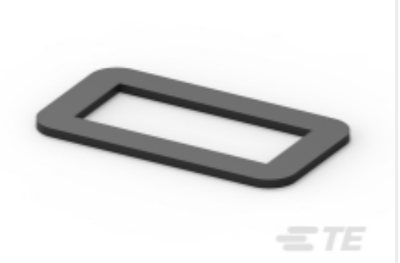
TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



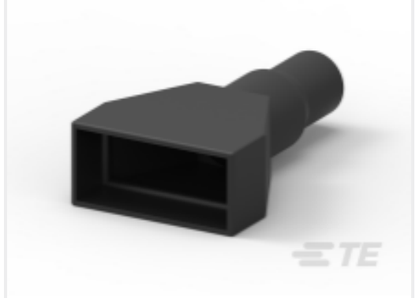
TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts



TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings



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



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



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



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



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



TE Part # 0411-291-1405
EXT TOOL, SIZE 16, 14-16 AWG, N, GRN



TE Part # 0411-204-1605
EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU

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

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

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

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

Also in the Series | DEUTSCH DRC



Automotive Housings(117)



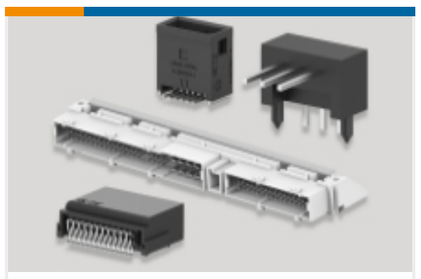
Connector Backshells(6)



Connector Strain Relief(3)



Insertion & Extraction Tools(7)

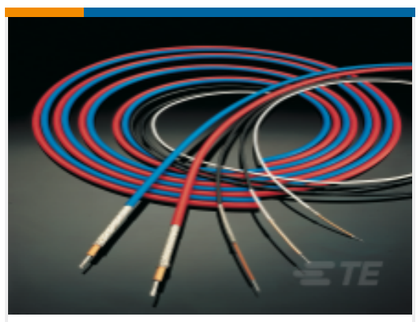


PCB Headers & Receptacles(44)

Customers Also Bought



TE Part #AEC16-40SD
DEUTSCH DRC Housings



TE Part #986679-000
2019D0301-0



TE Part #626095-2
FASTIN-ON .250 REC 1.0-2.5 MM2 TPBR

TE Part #8N1521-32
ENDBELL, SIZE 32

TE Part #K1070514
Schlagschalter (Hauptantr HK) 06-63-420

TE Part #7G7919-10
SEAL PLUG, SIZE 8, WHT

Documents

Product Drawings

REC, 40P, BLK, N, FLANGE, B

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC12-40PB_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC12-40PB_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC12-40PB_B.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

175977-2 2005330-1 2310537-1 2377783-2 2380312-2 1903112-2 917696-1 MPT100C18RF 1-794222-0 CPF0402B37K4E1 CRGCQ2010J3K3 RH73H2A40MKTN SBCHE154R7K 1393431-1 1743455-2 650075-000 2834055-1 3631B101LL SBCHE64R7K U5254-000005-030PA 141991-2 2-292161-3 936348-1 ROX05SJ18R SMW73R0JT TE50BR39J 3-1393225-0 3430B2F51RTDF 1-962915-1 1969656-1