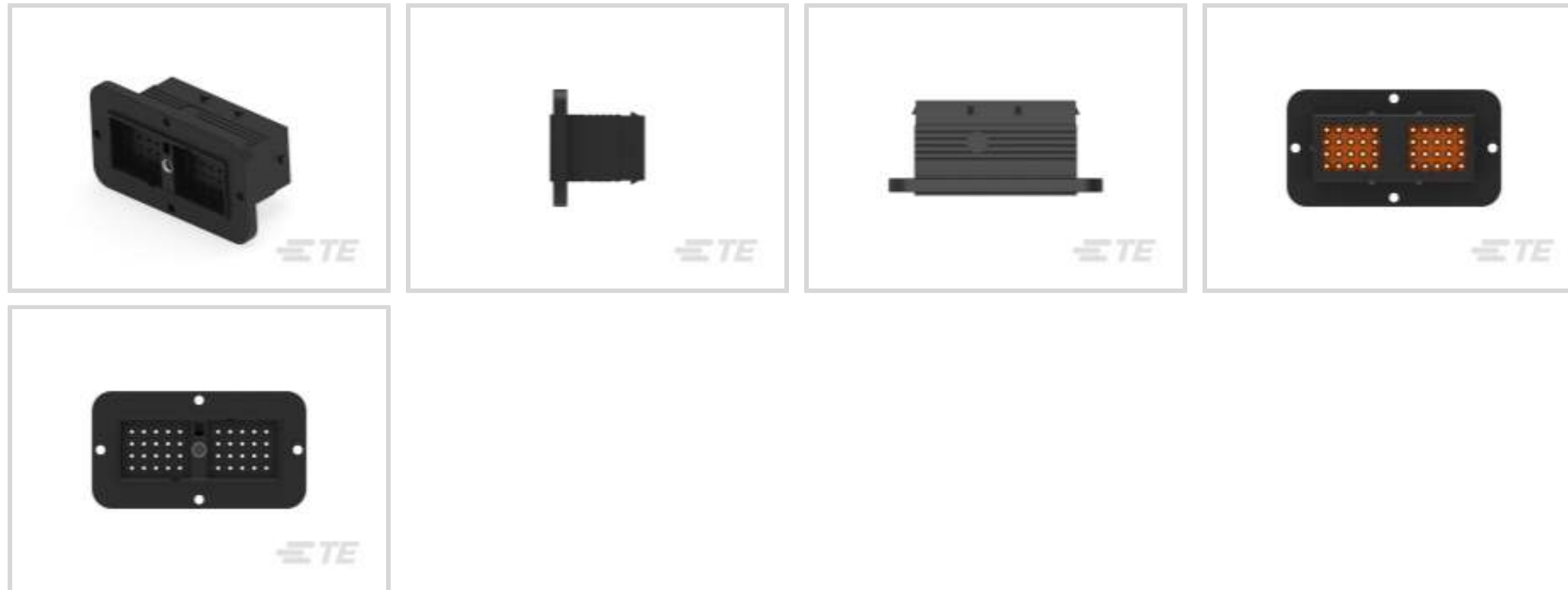# DRC12-40PD  ✔ ACTIVE

**DEUTSCH | DEUTSCH DRC**

TE Internal #: DRC12-40PD

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

View on TE.com >

Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings

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

Mating Pin Diameter:   **1.59 mm [ .063 in ]**

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

Number of Positions:   **40**

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

**All DEUTSCH DRC Housings (112)**

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

# DRC12-40PD

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

| | |
|---|---|
| Operating Voltage | 250 VAC |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

## Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |
| Primary Product Color | Black |
| Connector & Keying Code | D |

## 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 & Signal |

## Industry Standards

| | |
|---|---|
| Degree of Protection | IP68, IP6K9K |

# DRC12-40PD

Housing for Male Terminals, Wire-to-Wire, 40 Position, .216 in [5.49 mm] Centerline,
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| Agency/Standard | 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 2023 (235)<br>Candidate List Declared Against: JUNE 2023 (235)<br>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

# DRC12-40PD

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

TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs

TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings

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

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

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

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

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

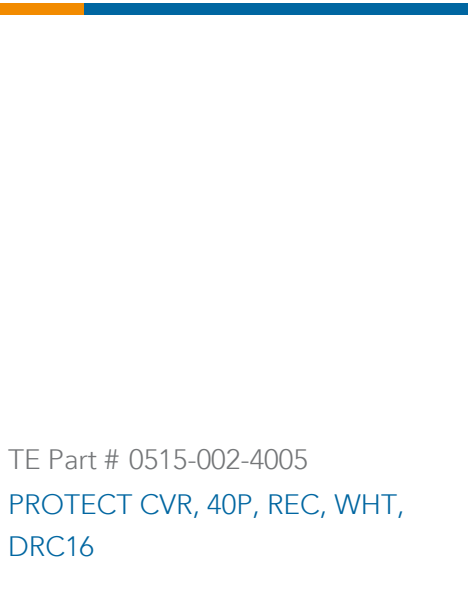TE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU

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

TE Part # 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

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

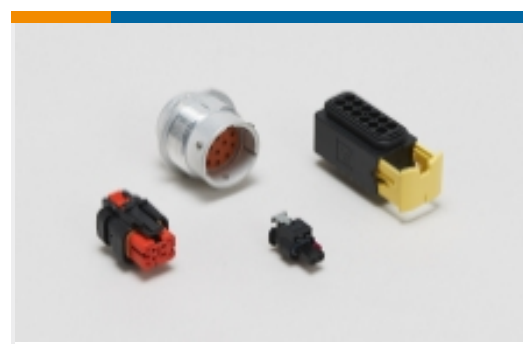TE Part # DRC40-BT-GRAY
BOOT, 40P, 16SZ, PLG/REC, ST, GRY

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

## Also in the Series | DEUTSCH DRC

# DRC12-40PD

Housing for Male Terminals, Wire-to-Wire, 40 Position, .216 in [5.49 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal, Panel Mount
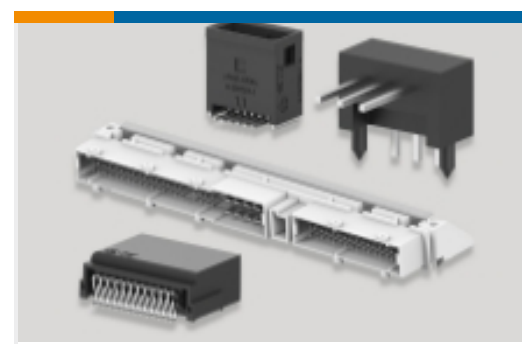
Automotive Connector Caps & Covers (9)

Automotive Housings(112)

Insertion & Extraction Tools(7)

PCB Headers & Receptacles(44)

## Customers Also Bought

TE Part #DRC12-40PC
DEUTSCH DRC Housings

TE Part #HD10-6-12P
SQ FG REC ASM

TE Part #HDP24-24-31PE-L015
DEUTSCH HDP20 Housings

TE Part #114021-ZZ
LOCKWASHER, SIZE 18, HD30

TE Part #DRC24-GKT
GASKET, 24P, BLK, DRC16

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

## Documents

### Product Drawings
REC, 40P, BLK, N, FLANGE, D

English

### CAD Files
3D PDF

3D

Customer View Model
ENG_CVM_CVM_DRC12-40PD_B.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_DRC12-40PD_B.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_DRC12-40PD_B.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

DRC12-40PD

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## Product Specifications

### Application Specification

English

### Agency Approvals

### UL Report

English