

# DRC12-40PAE ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC12-40PAE

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

[View on TE.com >](#)



Connectors > Automotive Connectors > Connector 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 & Housing 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

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

### Body Features

Cable Exit Angle	180°
Body Material	PPS GF



Primary Product Color	Black
-----------------------	-------

Connector Code	A
----------------	---

### 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

Mounting Feature	With
------------------	------

Terminal Position Assurance	No
-----------------------------	----

Strain Relief	Add By Accessory
---------------	------------------

Mating Alignment Type	Keyed
-----------------------	-------

Mating Alignment	With
------------------	------

Connector Mounting Type	Panel Mount
-------------------------	-------------

### Housing Features

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

### Dimensions

Product Width	97.54 mm[3.84 in]
---------------	-------------------

Product Length	43.15 mm[1.699 in]
----------------	--------------------

Product Height	53.29 mm[2.098 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

Agency/Standard	SAE J2030
-----------------	-----------

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

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	<p>Current ECHA Candidate List: JAN 2022 (223)</p> <p>Candidate List Declared Against: JAN 2022 (223)</p> <p>SVHC &gt; Threshold:</p> <p>Octamethylcyclotetrasiloxane (D4) (.4% in Component Part)</p> <p><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.</p>
--	---

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 # CAT-D48-ST273  
DEUTSCH SOLID CONTACTS



TE Part # CAT-D799-CH8172  
DEUTSCH DRC HOUSINGS



TE Part # CAT-D48-SFT273  
DEUTSCH STAMPED & FORMED CONTACTS



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



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



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



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



Automotive Connector Caps & Covers (9)



Automotive Housings(112)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(41)

Customers Also Bought



## 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

[ICT Terminals and Connectors Catalogue](#)

English

### Product Specifications

[Application Specification](#)

English

### Product Environmental Compliance

[Product Compliance](#)



English

[Product Compliance](#)

English

---

[Agency Approvals](#)

[UL Report](#)

English