

# DRC16-70SAE ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC16-70SAE

Housing for Female Terminals, Wire-to-Wire, 70 Position, .216 in [5.49 mm] Centerline, Sealable, Black, Wire & Cable, Power & Signal, DEUTSCH DRC

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings



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

Number of Positions: **70**

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

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

Sealable: **Yes**

[All DEUTSCH DRC Housings \(112\)](#)

## Features

### Product Type Features

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

### Configuration Features

Blank Cavity Position	0
Connector Seal Code	E Seal
Number of Positions	70
Number of Rows	5

### Electrical Characteristics

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	A
-------------------------	---

### Contact Features

Contact Size	Size 16
--------------	---------

Contact Type	Socket
--------------	--------

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	Cable Mount (Free-Hanging)
-------------------------	----------------------------

### Housing Features

Housing Material	PPS GF
------------------	--------

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

### Dimensions

Connector Height	36.06 mm[1.421 in]
------------------	--------------------

Product Width	103.99 mm[4.094 in]
---------------	---------------------

Product Length	41.73 mm[1.643 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
----------------------	--------------

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

UL Flammability Rating	20mm Flame Test per Standard UL-94
------------------------	------------------------------------

### Packaging Features



Packaging Quantity	50
--------------------	----

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) Candidate List Declared Against: JUNE 2023 (235) 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-D799-CH8172  
DEUTSCH DRC Housings



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




TE Part # CAT-D48-SP729  
DEUTSCH Sealing Plugs



TE Part # CAT-D48-ST273  
DEUTSCH Solid Contacts



TE Part # DRC70-BT  
BOOT, 70P, 16SZ, PLG/REC, ST, BLK



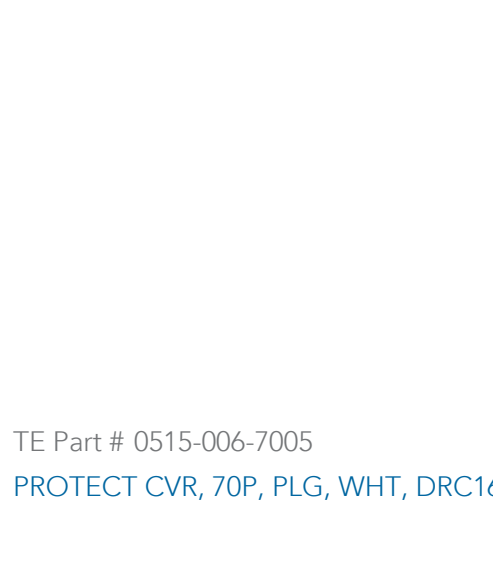
TE Part # CAT-D799-H342  
DEUTSCH DRC Headers



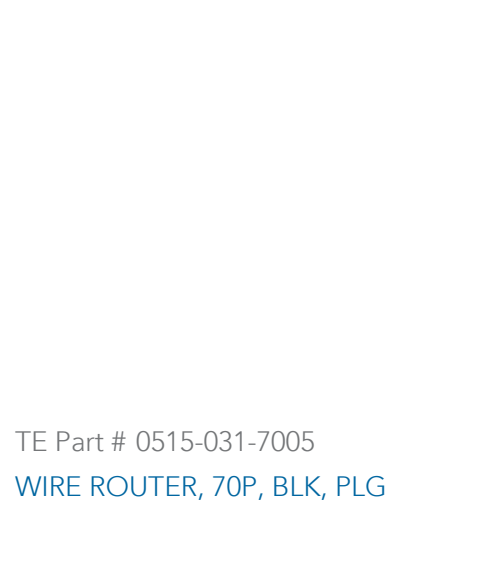
TE Part # CAT-D799-B128  
DEUTSCH DRC Backshells



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




TE Part # 0515-006-7005  
PROTECT CVR, 70P, PLG, WHT, DRC16




TE Part # 0515-031-7005  
WIRE ROUTER, 70P, BLK, PLG


Also in the Series | **DEUTSCH DRC**




Automotive Housings(112)



Connector Backshells(6)



Connector Strain Relief(3)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

Customers Also Bought





TE Part #6609069-5  
36FC10 D0=F7752



TE Part #DRC12-70PBE  
DEUTSCH DRC Housings



TE Part #DT06-08SA-CE04  
PLG, 8P, GRY, E, XCAP, A



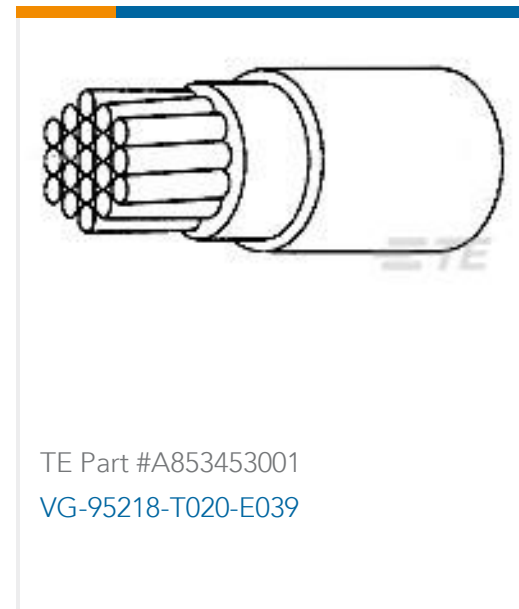
TE Part #1071233001  
VG-95218-T021-E001



TE Part #3267153001  
VG-95218-T021-E003



TE Part #4925453001  
VG-95218-T020-A007



TE Part #A853453001  
VG-95218-T020-E039



TE Part #0029813001  
VG-95218-T020-A009

## Documents

### Product Drawings

PLG, 70P, BLK, E, A

English

### CAD Files

3D PDF

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC16-70SAE\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC16-70SAE\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_DRC16-70SAE\\_A.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

[Engineering Report](#)

English

### Agency Approvals

[UL Report](#)

DRC16-70SAE

Housing for Female Terminals, Wire-to-Wire, 70 Position, .216 in [5.49 mm]  
Centerline, Sealable, Black, Wire & Cable, Power & Signal, DEUTSCH DRC



English