DRC16-70SAE-PP05 ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC16-70SAE-PP05

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

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings











Number of Positions: 70

Connector & Housing Type: Housing for Female 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

71	
Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector & Housing Type	Housing for Female 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
Connector Seal Code	E Seal
Number of Positions	70
Number of Rows	5

Electrical Characteristics



Operating Voltage	250 VDC
Nominal Voltage Architecture	250 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	
Strain Relief	Add By Accessory
Terminal Position Assurance	No
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	
Row-to-Row Spacing	5.49 mm[.216 in]
Product Width	103.99 mm[4.094 in]
Product Length	41.73 mm[1.643 in]
Connector Height	36.06 mm[1.421 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	
IP Rating	IP68, IP6K9K
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	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 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

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





TE Part # CAT-D799-B128
DEUTSCH DRC Backshells



TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings



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

TE Part # 1062-14-0177 SOC, SF, SIZE 16, 14-18, SN/SN



TE Part # CAT-J67-DSCC16

DEUTSCH Size 16 Crimp Contacts



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



TE Part # DRC13-70PA-B027 HDR, 70P, BLK, RA, M5, FLG, NI/CU, A



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



Also in the Series | DEUTSCH DRC



Automotive Headers(44)



Automotive Housings(117)



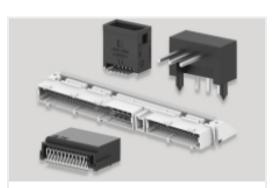
Connector Backshells(6)



Connector Strain Relief(3)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

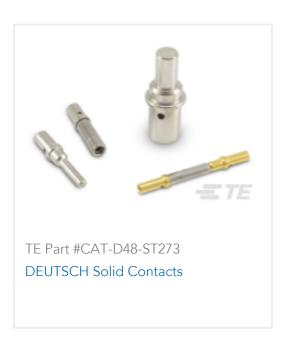


Wire-to-Board Headers & Receptacles (44)

Customers Also Bought

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

















Documents

Product Drawings

PLG, 70P, BLK, E, SL BD, BOLT LEAD-IN, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC16-70SAE-PP05_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC16-70SAE-PP05_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC16-70SAE-PP05_B.3d_stp.zip

English

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Datasheets & Catalog Pages

TERMINALS AND CONNECTORS

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

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English