DRC16-70SAE-P013 ✔ ACTIVE

DEUTSCH | **DEUTSCH DRC**

TE Internal #: DRC16-70SAE-P013

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 > Connector Housings > DEUTSCH DRC HOUSINGS

Connector & Housing Type:	**Housing for Female Terminals**
Mating Pin Diameter:	**1.59 mm [.063 in]**
Connector System:	**Wire-to-Wire**
Number of Positions:	**70**
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 Female 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
Connector Modification	Bonded Front Seal
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

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TE connectivity

Cable Exit Angle	180°
Body Material	PPS GF
Primary Product Color	Black
Connector 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

Mounting Feature	Without
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

Centerline (Pitch)	5.49 mm[.216 in]

Dimensions

Product Width	103.99 mm[4.094 in]
Product Length	41.73 mm[1.643 in]
Product Height	36.06 mm[1.421 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

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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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

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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 # 0411-310-1605
EXT TOOL, SIZE 16, 16-18 AWG, T, LT BLU

TE Part # 0411-354-1605
EXT TOOL, SIZE 16, 16-18 AWG, N, BRN

TE Part # CAT-D799-H342
DEUTSCH DRC HEADERS

TE Part # CAT-D799-CH8172
DEUTSCH DRC HOUSINGS

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

TE Part # CAT-D48-ST273
DEUTSCH SOLID CONTACTS

TE Part # CAT-D799-B128
DEUTSCH DRC BACKSHELLS

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

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

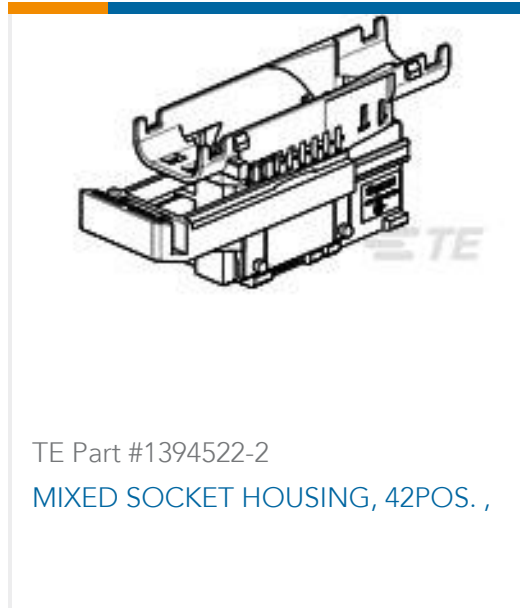Automotive Connector Caps & Covers (9)

Automotive Housings(112)

Insertion & Extraction Tools(7)

PCB Headers & Receptacles(41)

Customers Also Bought

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

TE Part #HD36-24-23SE
PLG, 23P, AL, E, 16, S

TE Part #1394522-2
MIXED SOCKET HOUSING, 42POS. ,

TE Part #DRC16-70SAE-P066
DEUTSCH DRC HOUSINGS

TE Part #HDP24-24-9SE-L015
REC, 9P, BLK, E, THD, 4/8/12, S

TE Part #DTM2P-BT-BK
BOOT, 2P, REC, ST, BLK

TE Part #3257456005
RBK-VWS-125-NR2-X-40MM

TE Part #344073-1
8 WAY TAB HSG.BLACK

TE Part #344086-1
8 WAY TAB ANTI-BACKOUT

TE Part #966500-1
JPT GEH KOMPL 24P

Documents

Product Drawings

PLG, 70P, BLK, E, SEAL BOND, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC16-70SAE-P013_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC16-70SAE-P013_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC16-70SAE-P013_A.3d_stp.zip

English

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

Datasheets & Catalog Pages

DRC16-70SAE-P013

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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