DRC12-24PAE ✔ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC12-24PAE

DEUTSCH DRC, Housing for Male Terminals, Wire-to-Wire, 24 Position, 5.49mm [.216in] Centerline, Sealable, Black, Wire & Cable

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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: **24**

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

All DEUTSCH DRC HOUSINGS (84)

Features

Product Type Features

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	24
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

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	Polarized
Connector Mounting Type	Bulkhead, Panel Mount

Housing Features

Centerline (Pitch)	5.49 mm[.216 in]

Dimensions

Product Width	77.22 mm[3.04 in]
Product Length	44.25 mm[1.742 in]
Product Height	53.09 mm[2.09 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	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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-ST273
DEUTSCH SOLID CONTACTS



TE Part # CAT-D48-SP729
DEUTSCH SEALING PLUGS



TE Part # CAT-D799-CH8172
DEUTSCH DRC HOUSINGS



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



TE Part # DRC24-BT
BOOT, 24P, 16SZ, PLG/REC, ST, BLK



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

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

TE Part # 0515-004-2405
PROTECT CVR, 24P, REC, YEL, DRC16

TE Part # DRC24-BT-DH
BOOT, 24P, 16SZ, PLG/REC,ST,DRN HOLE,BLK

TE Part # DRC24-BT-YW
BOOT, 24P, 16SZ, PLG/REC, ST, YEL

Also in the Series | DEUTSCH DRC



Automotive Connector Caps & Covers (9)



Automotive Headers(34)



Automotive Housings(84)



Insertion & Extraction Tools(7)

Customers Also Bought



TE Part #1-1564532-1
HEAVY DUTY SEALED CONNECTOR HOUSINGS



TE Part #0528-012-7005
DEUTSCH DRC BACKSHELLS



TE Part #YHDP26-24-35PEL017
DEUTSCH HDP20 HOUSINGS



TE Part #2-456407-8
WIRE CRIMPER .100 F



TE Part #2151239-1
OCEAN_2.0_APPLICATOR-S-100F

TE Part #2208343-1
TERMINAL, 6,3MM



TE Part #2236369-1
61103 DVI LOCKING SEALING PLUG #16



TE Part #1-968874-3
AMP MCP 2.8, CONTACT (LP)

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

Documents

Product Drawings

REC, 24P, BLK, E, FLANGE, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC12-24PAE_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC12-24PAE_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC12-24PAE_B.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

CONNECTOR SELECTOR

English

Product Specifications

Application Specification

English

Product Environmental Compliance

Product Compliance

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Product Compliance

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