DRB12-102PANE ✔ ACTIVE

DEUTSCH | **DEUTSCH DRB**

TE Internal #: DRB12-102PANE

Housing for Male Terminals, Wire-to-Wire, 102 Position, .886 in / .175 in / .264 in [4.45 mm / 6.71 mm / 22.5 mm] Centerline, Black, DEUTSCH DRB

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRB Housings

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

Number of Positions: **102**

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

Centerline (Pitch): **4.45 mm, 6.71 mm, 22.5 mm [.175 in, .264 in, .886 in]**

Sealable: **No**

All DEUTSCH DRB Housings (19)

Features

Product Type Features

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

Configuration Features

Blank Cavity Position	0
Number of Positions	102
Number of Rows	16

Electrical Characteristics

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TE connectivity

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 12, Size 16, Size 4, Size 8
Contact Type	Pin
Mating Pin Diameter	1.59 mm, 2.39 mm, 3.61 mm, 5.72 mm[.063 in][.094 in][.142 in][.225 in]
Contact Current Rating (Max)	13 A, 25 A, 60 A, 100 A

Mechanical Attachment

Terminal Position Assurance	Yes
Strain Relief	With
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Panel Mount

Housing Features

Housing Material	PA GF
Centerline (Pitch)	4.45 mm, 6.71 mm, 22.5 mm[.175 in][.264 in][.886 in]

Dimensions

Connector Height	62.64 mm[2.466 in]
Product Width	125.76 mm[4.951 in]
Product Length	54.38 mm[2.141 in]
Row-to-Row Spacing	3.81 mm, 4.83 mm, 6.6 mm, 7.62 mm, 8.61 mm, 8.63 mm[.15 in][.19 in][.26 in][.3 in][.339 in][.34 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm, 2.46 – 4.01 mm, 3.43 – 5.59 mm, 6.63 – 7.42 mm[.053 – .12 in][.097 – .158 in][.135 – .22 in][.261 – .292 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]

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Operating Temperature Range	-55 – 125 °C[-67 – 257 °F]

Operation/Application

Circuit Application	Power & Signal

Industry Standards

Compatible With Agency/Standards Products	SAE J2030

Packaging Features

Packaging Quantity	72
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	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

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Compatible Parts

TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs

TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts

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

TE Part # CAT-D781-M8649
DEUTSCH DRB Mounting Accessories

TE Part # DT-RT1
EXT TOOL, FRONT RELEASE

TE Part # 1060-12-0144
PIN, SF, SIZE 12, 12-14, AU/SN

TE Part # DRB102-BT
BOOT, 102P, PLG/REC, ST, BLK

TE Part # DRB16-102SAE-L018
PLG, 102P, BLK, E, CAP, A

TE Part # CAT-D781-W416
DEUTSCH DRB Wedgelocks

TE Part # 1060-12-0222
PIN, SF, SIZE 12, 10, NI/NI

TE Part # 1060-12-0166
PIN, SF, SIZE 12, 12-14, NI/SN

TE Part # 2300908-1
0460-003-16329, PIN, SOLID, 20-24AWG, AU

TE Part # DRB102-BT-90DEG
BOOT, 102P, PLG/REC, RA, BLK

TE Part # CAT-D48-SFT273
DEUTSCH Stamped and Formed Contacts

TE Part # 3315-016-0005
PROTECT CVR, 102/128P, PLG, YEL, DRB

Also in the Series | DEUTSCH DRB

Automotive Connector Caps & Covers (1)

Automotive Connector Locks & Position Assurance(20)

Automotive Housings(19)

Connector Strain Relief(1)

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Insertion & Extraction Tools(1)

Other Automotive Connector Accessories(6)

Customers Also Bought

TE Part #M902-2191
BKSHL, 9SZ, CBL SZ .187-.300, HD10

TE Part #WB-51SAL
DEUTSCH DRB Wedgelocks

TE Part #0460-256-12233
PIN, SOLID, SIZE 12,16-18AWG,PD/NI/AU

TE Part #W2SA-P012
WEDGE LOCK, 2P, PLG, GRY, SL RET, DT, A

TE Part #DRB102-BT
BOOT, 102P, PLG/REC, ST, BLK

TE Part #DRB16-102SAE-L018
PLG, 102P, BLK, E, CAP, A

TE Part #DRBF-1A
FLANGE, MOUNT, 102/128P, BLK, A

TE Part #114019-ZZ
SEALING PLUG, SIZE 4, WHT

Documents

Product Drawings
REC, 102P, BLK, NON-ENV, A

English

CAD Files
Customer View Model
ENG_CVM_CVM_DRB12-102PANE_99.2d_dxf.zip

English

3D PDF

3D

Customer View Model
ENG_CVM_CVM_DRB12-102PANE_99.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_DRB12-102PANE_99.3d_stp.zip

English

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Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English

Agency Approvals

UL Report

English