

DRB16-48SAE-L018

✓ ACTIVE

DEUTSCH | DEUTSCH DRB

TE Internal #: DRB16-48SAE-L018

48 Position Housing, Housing for Female Terminals, Wire-to-Wire,
3.81 mm / 4.7 mm / 6.71 mm [.15 in / .185 in / .264 in] Centerline,
DEUTSCH DRB

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRB Housings



Number of Positions: 48

Connector & Housing Type: Housing for Female Terminals

Mating Pin Diameter: 1.02 mm, 1.59 mm, 2.39 mm [.04 in, .063 in, .094 in]

Connector System: Wire-to-Wire

Centerline (Pitch): 3.81 mm, 4.7 mm, 6.71 mm [.15 in, .185 in, .264 in]

[All DEUTSCH DRB Housings \(19\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	Yes
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 Modification	Wire Router
Connector Seal Code	E Seal
Number of Positions	48
Number of Rows	6

Electrical Characteristics

Operating Voltage	250 VDC
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 20
Contact Type	Socket
Mating Pin Diameter	1.02 mm, 1.59 mm, 2.39 mm[.04 in][.063 in][.094 in]
Contact Current Rating (Max)	7.5 A, 13 A, 25 A

Mechanical Attachment

Strain Relief	With
Terminal Position Assurance	Yes
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	3.81 mm, 4.7 mm, 6.71 mm[.15 in][.185 in][.264 in]

Dimensions

Row-to-Row Spacing	.64 mm, 7.57 mm, 7.77 mm, 8.2 mm, 8.41 mm[.025 in][.298 in][.306 in][.323 in][.331 in]
Compatible Insulation Diameter Range	1.35 – 3.05 mm, 1.02 – 2.41 mm, 2.46 – 4.01 mm[.097 – .158 in][.053 – .12 in][.04 – .095 in]
Product Width	66.19 mm[2.606 in]
Product Length	35.71 mm[1.406 in]
Connector Height	66.19 mm[2.606 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
Compatible With Agency/Standards Products	SAE J2030

Packaging Features

Packaging Quantity	36
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 2025 (247) Candidate List Declared Against: JAN 2023 (233) 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

DRB16-48SAE-L018

48 Position Housing, Housing for Female Terminals, Wire-to-Wire, 3.81 mm / 4.7 mm / 6.71 mm [.15 in / .185 in / .264 in] Centerline, DEUTSCH DRB



TE Part # 1062-20-0122
SOC, SF, SIZE 20, 16-22, NI/NI



TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part # 1062-20-0144
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # WB-48SA
WEDGE LOCK, 48P, PLG, GRY, DRB, A



TE Part # 1062-20-0244
SOC, SF, SIZE 20, 16-22, AU/SN



TE Part # 1062-20-0222
SOC, SF, SIZE 20, 16-22, NI/NI



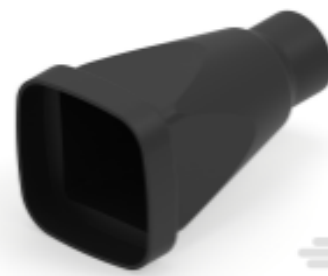
TE Part # 1062-20-0622
SOC, SF, SIZE 20, 14-16, NI/NI



TE Part # 1062-20-0344
SOC, SF, SIZE 20, 16-22, SLEVLSS, AU /SN



TE Part # 3315-015-0005
PROTECT CVR, 48/60P, PLG, YEL, DRB



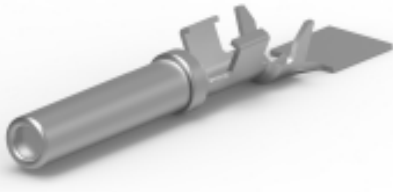
TE Part # DRB48-60-BT
BOOT, 48/60P, PLG/REC, ST, BLK



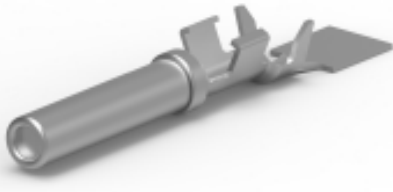
TE Part # 1062-20-0644
SOC, SF, SIZE 20, 14-16, AU/SN



TE Part # 1062-20-0677
SOC, SF, SIZE 20, 14-16, SN/SN



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 # 1062-20-0377
SOC, SF, SIZE 20, 16-22, SLEVLSS, SN /SN



TE Part # 1062-12-0144
SOC, SF, SIZE 12, 12-14, AU/SN



TE Part # 1062-12-0244
SOC, SF, SIZE 12, 10, AU/SN



TE Part # 1062-12-0222
SOC, SF, SIZE 12, 10, NI/NI



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



TE Part # 1060-20-0677
PIN, SF, SIZE 20, 14-16, SN/SN

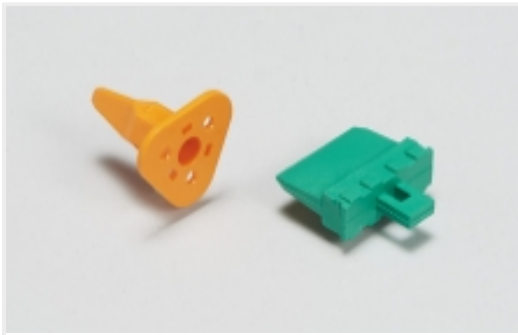
Also in the Series | **DEUTSCH DRB**

DRB16-48SAE-L018

48 Position Housing, Housing for Female Terminals, Wire-to-Wire, 3.81 mm / 4.7 mm / 6.71 mm [.15 in / .185 in / .264 in] Centerline, DEUTSCH DRB



Automotive Connector Caps & Covers (1)



Automotive Connector Locks & Position Assurance(20)



Automotive Housings(19)



Connector Strain Relief(1)



Insertion & Extraction Tools(1)



Other Automotive Connector Accessories(6)

Customers Also Bought



TE Part #DRBF-2B
FLANGE, MOUNT, 60/48P, BLK, B



TE Part #DRB12-48PAE-L018
REC, 48P, BLK, E, CAP, A



TE Part #HD10-9-96PE-B025
REC, 9P, BLK, E, PANEL, 16



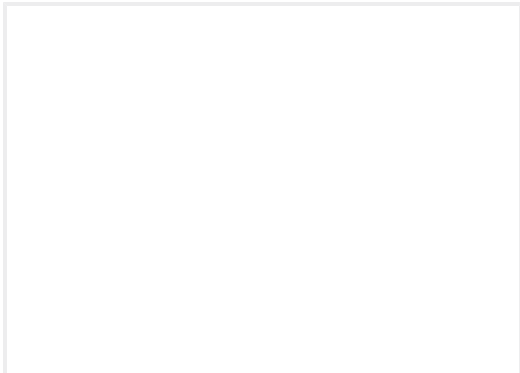
TE Part #CAT-D781-W416
DEUTSCH DRB Wedgelocks



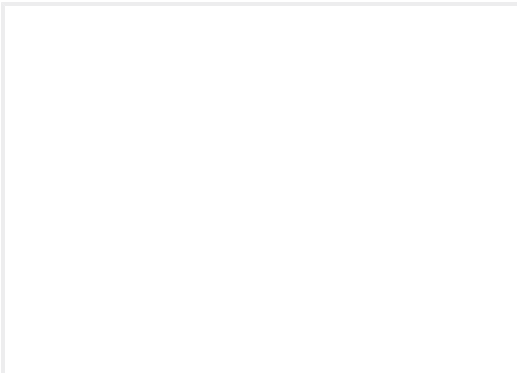
TE Part #641256-1
BLADE TAB 250 18-14AWG BR LP



TE Part #DRB48-60-BT
BOOT, 48/60P, PLG/REC, ST, BLK



TE Part #28772-2
BEARING, ROD END, FEMALE



TE Part #251542-1
MOLDED BELT

Documents

Product Drawings
PLG, 48P, BLK, E, CAP, A

English

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_DRB16-48SAE-L018_99_c-drb16-48sae-l018-99.2d_dxf.zip



English

Customer View Model

[ENG_CVM_CVM_DRB16-48SAE-L018_99_c-drb16-48sae-l018-99.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRB16-48SAE-L018_99_c-drb16-48sae-l018-99.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[TERMINALS AND CONNECTORS](#)

English

[ICT Terminals and Connectors Catalogue](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

English