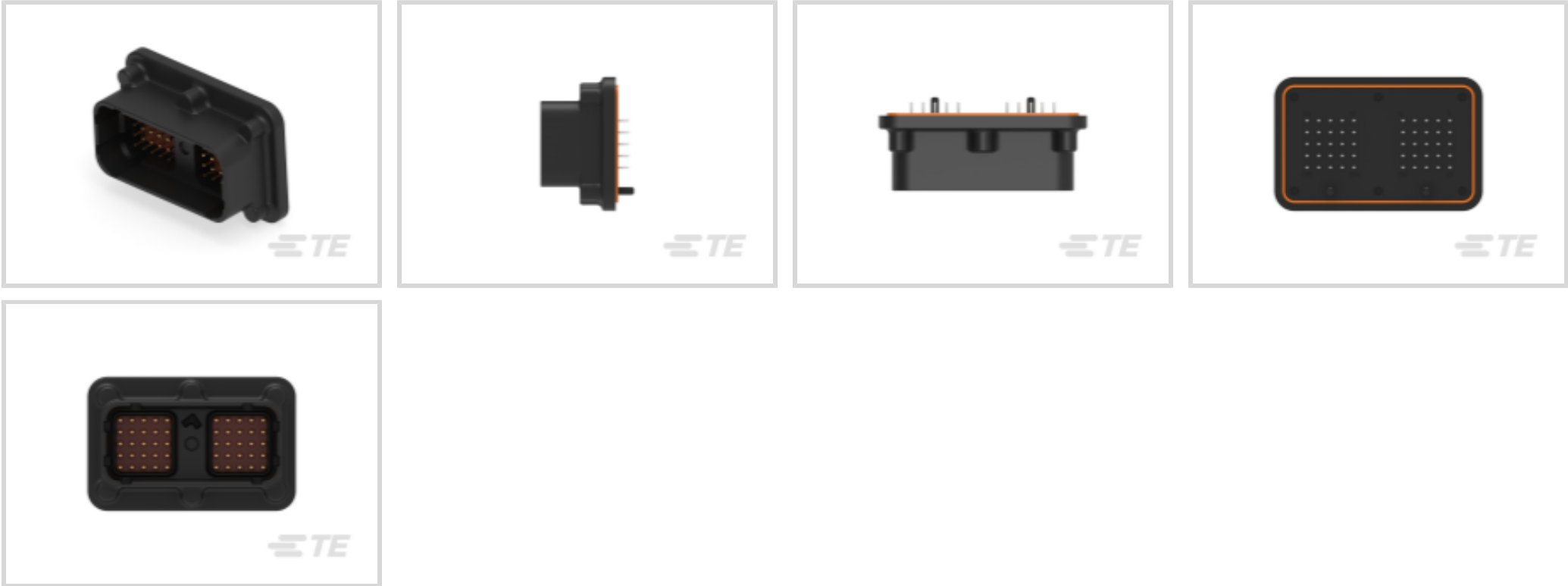




Automotive Parts > Automotive Connectors > Automotive Headers > DEUTSCH DRC Headers



PCB Mount Orientation: **Vertical**
Contact Current Rating (Max): **7.5 A**
Termination Method to PCB: **Through Hole - Solder**
Sealable: **Yes**
Centerline (Pitch): **4.42 mm [.174 in]**

[All DEUTSCH DRC Headers \(44\)](#)

Features

Product Type Features

Connector Product Type	Connector Assembly
Mixed & Hybrid Header	No
Header Type	Fully Shrouded
Connector Shape	Rectangular
Sealable	Yes
Connector System	Wire-to-Board
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Number of Signal Positions	50
Number of Sections	2
PCB Mount Orientation	Vertical
Number of Positions	50
Number of Rows	5



Electrical Characteristics

Operating Voltage	250 VDC
Voltage Rating (Max)	250 VDC
Nominal Voltage Architecture	12 V, 24 V

Body Features

Connector & Keying Code	09
Primary Product Color	Black

Contact Features

Mating Pin Diameter	1.02 mm[.04 in]
Contact Type	Pin
Contact Current Rating (Max)	7.5 A
Contact Mating Area Plating Material	Gold (Au)

Termination Features

Termination Method to PCB	Through Hole - Solder
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Mechanical Attachment

Panel Mount Feature	With
Mating Retention Type	Locking Interface
PCB Mount Retention	With
Mounting Holes	With
Mating Alignment Type	Keyed
PCB Mount Retention Type	Mounting Screw
Mating Alignment	With
PCB Mount Alignment	With
Connector Mounting Type	Board Mount

Housing Features

Centerline (Pitch)	4.42 mm[.174 in]
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Dimensions

Connector Width	78.59 mm[3.094 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Profile Height from PCB	28.32 mm[1.115 in]
Connector Length	50.47 mm[1.987 in]

Usage Conditions



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

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

IP Rating	Not Tested
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Quantity	60
Packaging Method	Box

Other

Interface Number	DRC20-50PXX
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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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: FEB 2026 (253) Candidate List Declared Against: JUNE 2025 (250) 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



TE Part # DRC26-50S09
PLG, 50P, BLK, N, 09



TE Part # DRC20-50P03
HDR, 50P, BLK, ST, AU/NI/CU, 03

Also in the Series | DEUTSCH DRC



Automotive Connector Caps & Covers
(15)



Automotive Housings(125)



Other Automotive Connector
Accessories(2)

Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



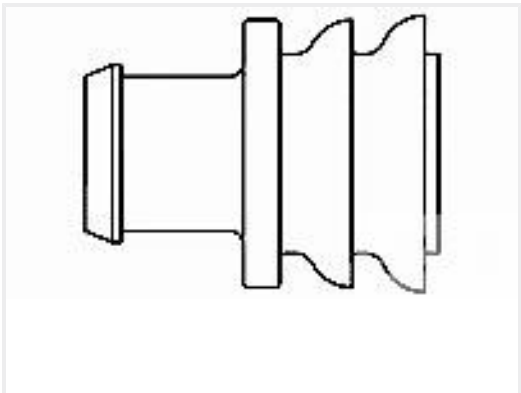
TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING

Documents

Product Drawings
HDR, 50P, BLK, ST, AU/NI/CU, 09



English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC20-50P09_99_c-drc20-50p09-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC20-50P09_99_c-drc20-50p09-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC20-50P09_99_c-drc20-50p09-99.3d_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

CONNECTOR SELECTOR

English

Product Specifications

Product Specification

English