



Connectors > PCB Connectors > PCB Headers & Receptacles > DEUTSCH DRC Headers



PCB Connector Assembly Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **50**

Number of Rows: **5**

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

Features

Electrical Characteristics

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

Dimensions

Connector Width	83.64 mm[3.293 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Profile Height from PCB	28.32 mm[1.115 in]
Connector Length	57.15 mm[2.25 in]

Other

Interface Number	DRC20-50PXX
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Packaging Features

Packaging Quantity	40
Packaging Method	Box

Industry Standards

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

Usage Conditions

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

Body Features

Connector & Keying Code	01
Primary Product Color	Black

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Mechanical Attachment

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

Contact Features

Mating Pin Diameter	1.02 mm[.04 in]
Contact Size	Size 20
Contact Mating Area Plating Material	Gold
Contact Type	Pin
Contact Current Rating (Max)	7.5 A

Configuration Features

Number of Signal Positions	50
Number of Sections	2



PCB Mount Orientation	Vertical
Number of Positions	50
Number of Rows	5

Product Type Features

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

Termination Features

Termination Method to PCB	Through Hole - Solder
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Housing Features

Centerline (Pitch)	4.42 mm[.174 in]
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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	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Article Safe Usage Statements: Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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 # DRC22-50P07
HDR, 50P, BLK, ST, AU/NI/CU, 07

TE Part # DRC26-50S01
PLG, 50P, BLK, N, 01

Also in the Series | DEUTSCH DRC

Automotive Headers(44)

Automotive Housings(117)

Connector Backshells(6)

Connector Strain Relief(3)

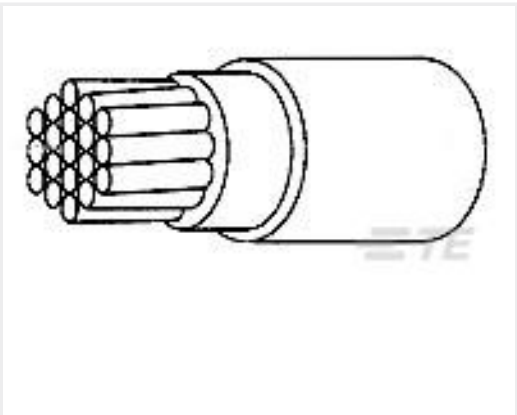
Insertion & Extraction Tools(7)

PCB Headers & Receptacles(44)

Wire-to-Board Headers & Receptacles (44)

Customers Also Bought





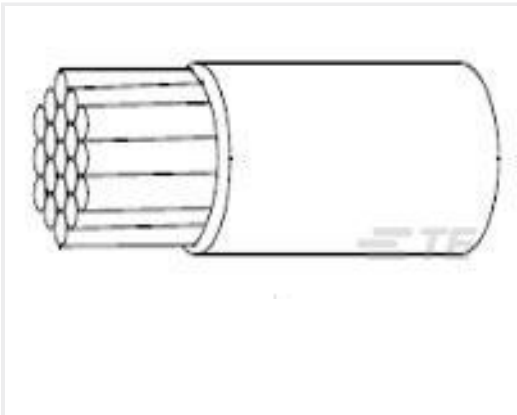
TE Part #3368913001
100G0111-3.00-0



TE Part #5208009-1
HD-20 PLUG 37P VERT



TE Part #5-102202-3
06 MODII HDR SRST SHRD LF



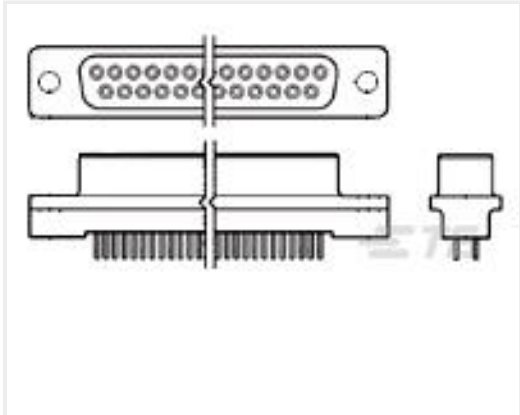
TE Part #216126-000
55A0111-12-2



TE Part #1-1825007-1
DRD16CE04=ROT DIP,16P



TE Part #374546-E
STVC 96 M ABC VVW 4-00 0606 * * 247 E007



TE Part #5745059-4
HD-20 RCPT 37P VERT THD INS



TE Part #1-1879135-9
RN 0603 162K 0.1% 10PPM 1K RL



TE Part #K1060028
Relay 29-111-12



TE Part #DT13-4P
HDR, 4P, GRY, RA, NI/CU

Documents

Product Drawings
HDR, 50P, BLK, ST, AU/NI/CU, 01
English

CAD Files
3D PDF
3D

Customer View Model
ENG_CVM_CVM_DRC22-50P01_B.2d_dxf.zip
English

Customer View Model
ENG_CVM_CVM_DRC22-50P01_B.3d_igs.zip
English

Customer View Model
ENG_CVM_CVM_DRC22-50P01_B.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

Product Specification

English

Product Specification

English

Agency Approvals

UL Report

English