



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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Vertical**

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

Number of Positions: **40**

Number of Rows: **4**

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

Features

Product Type Features

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

Configuration Features

Number of Signal Positions	40
Number of Sections	2
PCB Mount Orientation	Vertical
Number of Positions	40
Number of Rows	4

Electrical Characteristics

Operating Voltage	250 VDC
Voltage Rating (Max)	250 VDC



Nominal Voltage Architecture	12 V, 24 V
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Body Features

Primary Product Color	Black
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Contact Features

Mating Pin Diameter	1.59 mm[.063 in]
Contact Size	Size 16
Contact Mating Area Plating Material	Tin (Sn)
Contact Type	Pin
Contact Current Rating (Max)	13 A

Mechanical Attachment

Panel Mount Feature	With
Mating Retention Type	Locking Interface
Mounting Holes	With
Mating Retention	With
Mating Alignment Type	Not Keyed
PCB Mount Retention Type	Mounting Screw
PCB Mount Retention	With
PCB Mount Alignment	Without
Connector Mounting Type	Board Mount
Mating Alignment	Without

Housing Features

Centerline (Pitch)	5.45 mm[.216 in]
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Dimensions

Connector Width	97.82 mm[3.851 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Profile Height from PCB	21.72 mm[.855 in]
Connector Length	21.72 mm[.855 in]

Usage Conditions

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

Operation/Application

Shielded	No
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Circuit Application

Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	60
Packaging Method	Box

Other

Interface Number	DRC14-40PX
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Dodecamethylcyclohexasiloxane (D6) (.5% in 27519511665) Decamethylcyclopentasiloxane (D5) (.5% in 27519511665) Pb (3.7% in 74019790) Octamethylcyclotetrasiloxane (D4) (.5% in 27519511665) <b>Article Safe Usage Statements:</b> Do not eat, drink or smoke when using this product. 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	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 0504-001-4001  
DUST CAP, 40P, REC, BLK, DRC16

TE Part # CAT-D799-CH8172  
DEUTSCH DRC Housings

TE Part # 0515-002-4005  
PROTECT CVR, 40P, REC, DRC16

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)

Rectangular Power Connectors(44)

Wire-to-Board Headers & Receptacles (44)

Customers Also Bought

TE Part #2-2176347-8  
CRGCO 2010 1K8 1%

TE Part #4-2176231-3  
3522 560R 1% 3W

TE Part #DRC16-40S  
PLG, 40P, BLK, N

TE Part #1-2176057-1  
RLP73M 3A R027 1% 1K RL

DRC10-40P

PCB Mount Header, Vertical, Wire-to-Board, 40 Position, 5.45 mm [.216 in] Centerline, Fully Shrouded, Tin (Sn), Sealable, Power & Signal, DEUTSCH DRC



TE Part #1-2176607-9  
RLC73PW 3A R056 1% 1K RL

TE Part #DTM13-12PA-R008  
HDR, 12P, BLK, RA EEC, NI/CU, A

TE Part #60118-1  
110 FASTON REC 22-18 AWG TPBR

TE Part #2-1625892-3  
3W SM M/OX 5% 1K5

TE Part #CAT-D799-H342  
DEUTSCH DRC Headers

Documents

Product Drawings

HDR, 40P, BLK, ST, SDR CUP, SN/NI/CU

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DRC10-40P\_H.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_DRC10-40P\_H.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_DRC10-40P\_H.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