

DRC10-40P-A004 ✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC10-40P-A004

PCB Mount Header, Vertical, Wire-to-Board, 40 Position, .216 in [5.45 mm] Centerline, Fully Shrouded, Tin (Sn), Through Hole - Solder, DEUTSCH DRC

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



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

Number of Positions: **40**

Centerline (Pitch): **5.45 mm [.216 in]**

Sealable: **Yes**

PCB Mount Orientation: **Vertical**

[All DEUTSCH DRC HEADERS \(41\)](#)

Features

Product Type Features

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

Configuration Features

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

Electrical Characteristics

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



Body Features

Primary Product Color	Black
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Contact Features

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

Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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Mechanical Attachment

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

Housing Features

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

Connector Length	21.72 mm[.855 in]
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]

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
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Industry Standards

Degree of Protection	Not Tested
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UL Flammability Rating	20mm Flame Test per Standard UL-94
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Packaging Features

Packaging Type	Box
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Packaging Quantity	60
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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
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EU ELV Directive 2000/53/EC	Compliant with Exemptions
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China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
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EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2022 (224)</p> <p>Candidate List Declared Against: JUNE 2022 (224)</p> <p>SVHC > Threshold:</p> <p>Pb (3.7% in Component Part)</p>
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Article Safe Usage Statements:

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.
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Solder Process Capability	Not reviewed for solder process capability
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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 # CAT-D799-CH8172
DEUTSCH DRC HOUSINGS


TE Part # 0504-001-4001
DUST CAP, 40P, REC, BLK, DRC16

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


Also in the Series | DEUTSCH DRC



Automotive Connector Caps & Covers (9)



Automotive Housings(112)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(41)

Customers Also Bought



TE Part #3-2176092-3
RP 2A 0.25W 1K5 0.1% 25PPM 1K RL



TE Part #2-2176350-7
CRGCQ 2512 22K 5%



TE Part #2176350-6
CRGCQ 2512 6R8 5%



TE Part #1-1418656-3
SIGNAL HEADER



TE Part #5-104655-9
80 50/50 HDR DRST SFMNT TIN



TE Part #5406216-2
MJ,R/A,8P,PNL GRDS,.10"STCAT4



TE Part #8-2176367-8
RQ 0603 37K4 0.1% 10PPM 1K RL

Documents

Product Drawings

HDR, 40P, BLK, ST, PIN, SN/NI/CU

English



CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_DRC10-40P-A004_E.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC10-40P-A004_E.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC10-40P-A004_E.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