

DRC13-40PA

✓ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC13-40PA

PCB Mount Header, Right Angle, Wire-to-Board, 40 Position, 5.45 mm [.216 in] Centerline, Fully Shrouded, Tin, 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: **Right Angle**

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

Features

Product Type Features

Mixed & Hybrid Header	No
Connector 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	Right Angle
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
Connector & Keying Code	A

Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Mating Area Plating Material	Tin
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	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
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	35.31 mm[1.39 in]
Connector Width	95.05 mm[3.742 in]
PCB Thickness (Recommended)	.78 – 2.36 mm[.031 – .093 in]
Profile Height from PCB	50.42 mm[1.985 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

Degree of Protection	Not Tested
UL Rating	Recognized
UL Flammability Rating	UL 94V-0

Packaging Features

Packaging Type	Box
Packaging Quantity	36

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
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Pb (2.81% in Component Part) <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	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 # 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  
(3)

Automotive Housings(112)

Connector Backshells(6)

Insertion & Extraction Tools(7)

PCB Headers & Receptacles(44)

Customers Also Bought

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



TE Part #DT13-48PABCD-R015  
DEUTSCH DT Headers

TE Part #DRC22-50P01  
HDR, 50P, BLK, ST, AU/NI/CU, 01

TE Part #DTM1312PA12PBR008  
HDR, 24P, BLK, RA EEC, NI/CU, AB

TE Part #DTM1312PC12PDR008  
HDR, 24P, BLK, RA EEC, NI/CU, CD

TE Part #3-770060-1  
MINI AMP-IN PTLP/PHBZ

Documents

Product Drawings

HDR, 40P, BLK, RA, 1032 FLG, SN/NI/CU, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_DRC13-40PA\_99\_c-drc13-40pa-99.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_DRC13-40PA\_99\_c-drc13-40pa-99.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_DRC13-40PA\_99\_c-drc13-40pa-99.3d\_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