

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 (Sn), Through Hole - Solder, DEUTSCH DRC

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



PCB Connector Type: **PCB Mount Header**

PCB Mount Orientation: **Right Angle**

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	Right Angle
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

Connector & Keying Code	A
Primary Product Color	Black

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

Termination Features

Termination Method to PCB	Through Hole - Solder
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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	Panel Mount
Mating Alignment	With

Housing Features

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

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]
Connector Length	35.31 mm[1.39 in]

Usage Conditions

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

Operation/Application

Shielded	No
Circuit Application	Power & Signal

Industry Standards

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

Packaging Features

Packaging Quantity	36
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
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 27519221958) Decamethylcyclopentasiloxane (D5) (.5% in 27519221958) Pb (2.81% in 6695249892) Octamethylcyclotetrasiloxane (D4) (.5% in 27519221958) 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.
Solder Process Capability	Not reviewed for solder process capability

Product Compliance Disclaimer






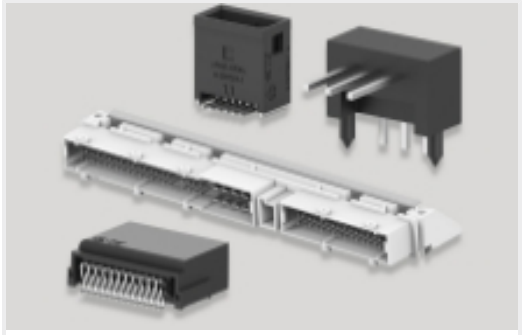

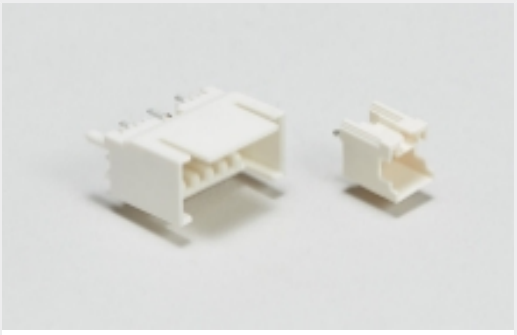


This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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

 <p>TE Part # CAT-D799-H342 DEUTSCH DRC Headers</p>	 <p>TE Part # 0504-001-4001 DUST CAP, 40P, REC, BLK, DRC16</p>	 <p>TE Part # CAT-D799-CH8172 DEUTSCH DRC Housings</p>	 <p>TE Part # 0515-002-4005 PROTECT CVR, 40P, REC, DRC16</p>
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Also in the Series | DEUTSCH DRC

 <p>Automotive Headers(44)</p>	 <p>Automotive Housings(117)</p>	 <p>Connector Backshells(6)</p>	 <p>Connector Strain Relief(3)</p>
 <p>Insertion & Extraction Tools(7)</p>	 <p>PCB Headers & Receptacles(44)</p>	 <p>Rectangular Power Connectors(44)</p>	 <p>Wire-to-Board Headers & Receptacles (44)</p>

Customers Also Bought



TE Part #2176329-4
CRGP 1210 18R 1%

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

TE Part #2-640500-2
06P MR HDR ASSY VO LF

TE Part #2329383-4
PB OFF/ON FC GRE M1 TERM. IP68

TE Part #8-1879501-5
CRGH2512 5% 3K3 2W

TE Part #CAT-D487-H342
DEUTSCH DT Headers

TE Part #9-2176422-6
TLRP 2512 3.0W R150 1% 75PPM 4K RL

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

TERMINALS AND CONNECTORS

English

ICT Terminals and Connectors Catalogue

English

Product Specifications

Application Specification

English



[Agency Approvals](#)

[UL Report](#)

English