

### DEUTSCH | DEUTSCH DRC

TE Internal #: 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

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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

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	

No

250 VDC

250 VDC

Operating Voltage

Voltage Rating (Max)



Nominal Voltage Architecture	12 V, 24 V
Body Features	
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
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]
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



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

# **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) 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

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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



**DEUTSCH DRC Housings** 

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

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

# Also in the Series | DEUTSCH DRC



Automotive Headers(44)



Automotive Housings(117)



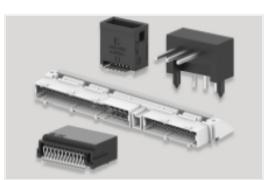
Connector Backshells(6)



Connector Strain Relief(3)



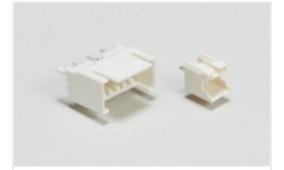
Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)



Rectangular Power Connectors(44)



Wire-to-Board Headers & Receptacles

# Customers Also Bought









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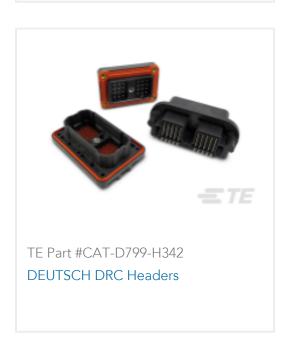












### **Documents**

### **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

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Agency Approvals

**UL Report** 

English