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### 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

250 VAC

Operating Voltage



# **Body Features**

body realures	
Primary Product Color	Black
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
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]
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]



Shielded	No
Circuit Application	Power & Signal
Industry Standards	
Degree of Protection	Not Tested
UL Flammability Rating	20mm Flame Test per Standard UL-94
Packaging Features	
Packaging Features Packaging Type	Box
	Box 60
Packaging Type	

### **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: JUNE 2022 (224) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Pb (3.7% in Component Part) 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





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

# Also in the Series | DEUTSCH DRC



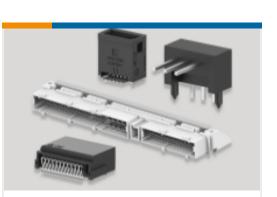
Automotive Connector Caps & Covers (9)



Automotive Housings(112)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(41)

# Customers Also Bought















### **Documents**

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

English

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



#### **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

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use

# Datasheets & Catalog Pages

ICT Terminals and Connectors Catalogue

English

### **Product Specifications**

**Application Specification** 

English

### **Agency Approvals**

**UL Report** 

English