DRC10-40P ✔ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC10-40P

Vertical, Wire-to-Board, 40 Position, 4 Row, 5.45mm [.216in] Centerline, Tin (Sn), Sealable, Wire & Cable, DEUTSCH DRC

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Automotive Parts > Automotive Connectors > Automotive Headers > DEUTSCH DRC Headers



PCB Mount Orientation: **Vertical**

Contact Current Rating (Max): **13 A**

Sealable: **Yes**

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

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

All DEUTSCH DRC Headers (44)

Features

Product Type Features

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

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

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

Body Features

Primary Product Color	Black

Contact Features

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

Mechanical Attachment

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

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]
Connector Length	21.72 mm[.855 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
Circuit Application	Power & Signal

Industry Standards

IP Rating	Not Tested

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	有害物质含量超出标准 Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: Decamethylcyclopentasiloxane (D5) (.5% in 27519511665) Octamethylcyclotetrasiloxane (D4) (.5% in 27519511665) Dodecamethylcyclohexasiloxane (D6) (.5% in 27519511665) Pb (3.7% in 74019790) **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

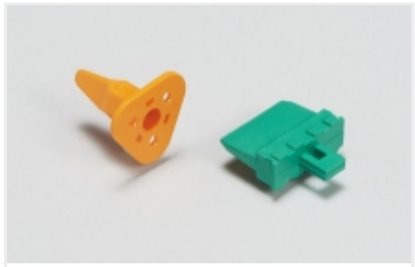


TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings

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

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

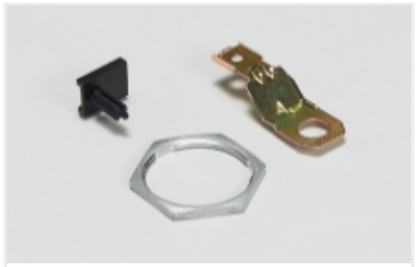
Also in the Series | DEUTSCH DRC



Automotive Connector Locks & Position Assurance(5)



Automotive Seals & Cavity Plugs(3)



Other Automotive Connector Accessories(2)

Customers Also Bought



TE Part #DTM13-12PA-R008
HDR, 12P, BLK, RA EEC, NI/CU, A



TE Part #1011-054-1205
SEAL RET, 12P, GRN, DTM, C



TE Part #DRC13-40PB
HDR, 40P, BLK, RA, 1032 FLG, SN/NI /CU, B



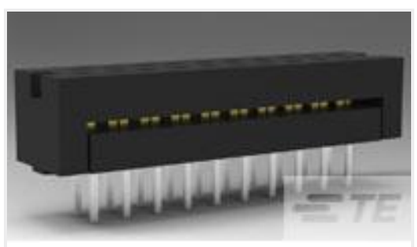
TE Part #DT13-08PA
HDR, 8P, GRY, RA, NI/CU, A



TE Part #55148-1
TERMINAL,PIDG R 22-16 10



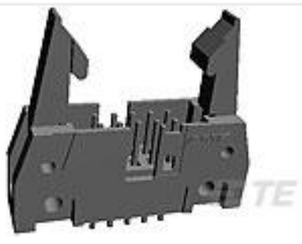
TE Part #499252-5
010 STRAIN RELIEF A-L RCPT



TE Part #2-746610-1
010 DIP PLUG 100CL TIN



TE Part #2035334-4
Contact,female0.64, 18 AWG



TE Part #5499923-1
A/L UNIV HDR 10P VERT LAT



TE Part #1010-042-1206
SEAL, INTF, 12P, RED-ORG, DTM

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

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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