

DRC10-40P ✓ ACTIVE

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, Sealable, Power & Signal, 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 \(44\)](#)

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	Vertical
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
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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

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	Board Mount

Housing Features

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

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	60

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 with Exemptions
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	<p>Current ECHA Candidate List: JUNE 2023 (235)</p> <p>Candidate List Declared Against: JUNE 2023 (235)</p> <p>SVHC > Threshold:</p> <p>Octamethylcyclotetrasiloxane (D4) (.5% in Component Part)</p> <p>Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part)</p> <p>Decamethylcyclopentasiloxane (D5) (.5% in Component Part)</p> <p>Pb (3.7% in Component Part)</p> <p>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.</p>
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>

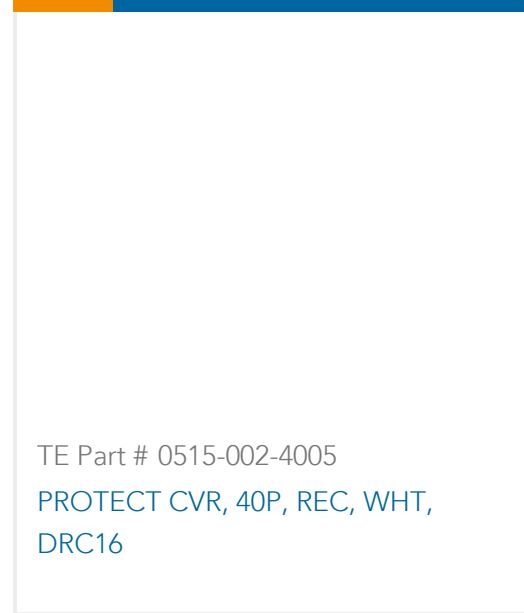
Compatible Parts



TE Part # CAT-D799-CH8172
DEUTSCH DRC Housings

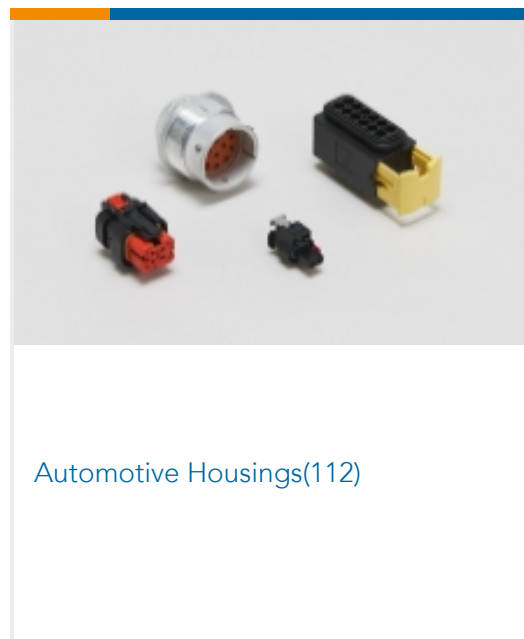


TE Part # 0504-001-4001
DUST CAP, 40P, REC, BLK, DRC16

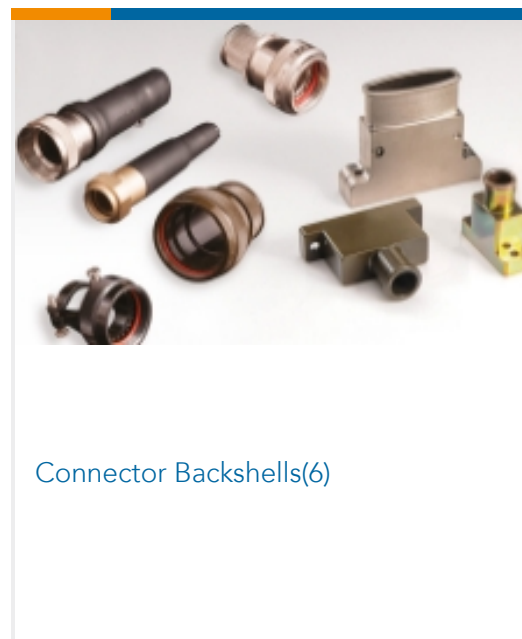


TE Part # 0515-002-4005
PROTECT CVR, 40P, REC, WHT, DRC16

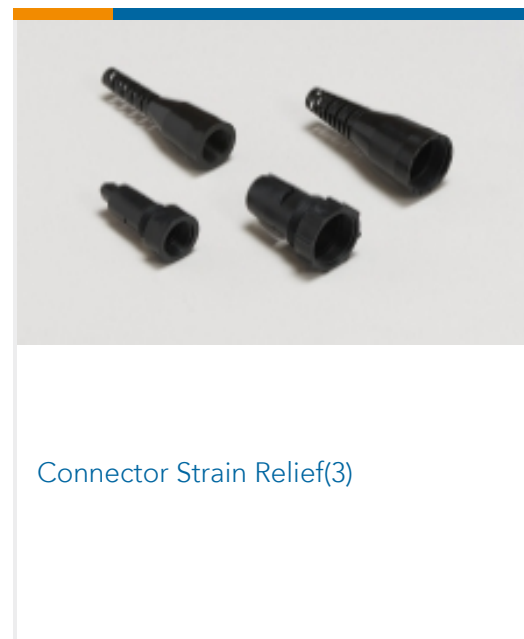
Also in the Series | DEUTSCH DRC



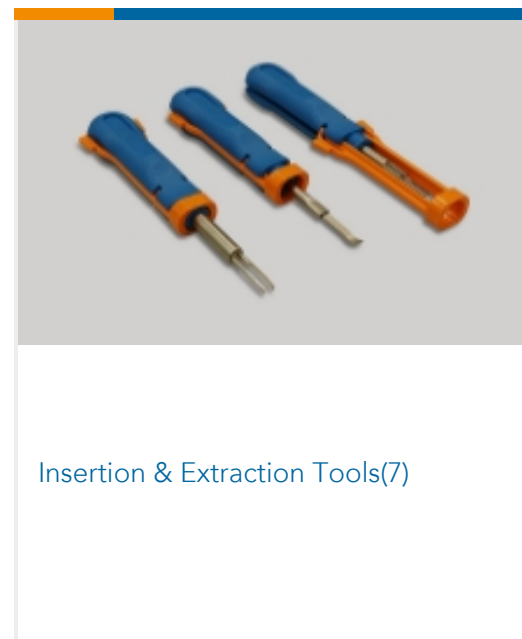
Automotive Housings(112)



Connector Backshells(6)



Connector Strain Relief(3)



Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

Customers Also Bought



TE Part #DRC10-40P-A004
HDR, 40P, BLK, ST, PIN, SN/NI/CU



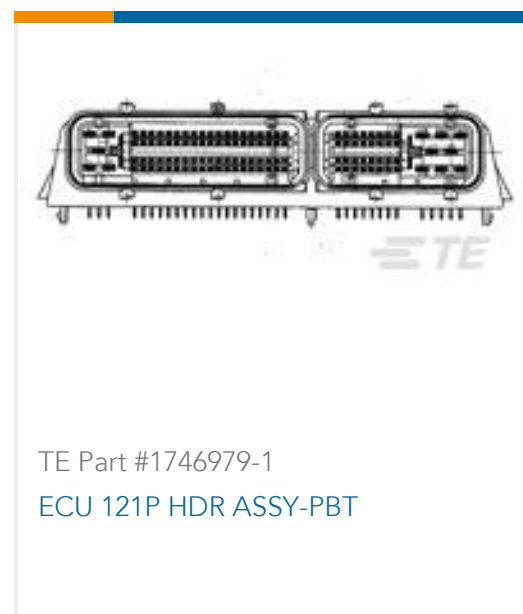
TE Part #776434-3
AS 16, 6P CAP ASSY, KEY 3



TE Part #1534789-1
ADAPTER 90DEG 4/7POS



TE Part #DRC40-GKT
GASKET, 40P, BLK, DRC16



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

[ICT Terminals and Connectors Catalogue](#)

English

Product Specifications

[Application Specification](#)

English

Agency Approvals

[UL Report](#)

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English