

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: **Right Angle**

[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	Right Angle
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
Connector & Keying Code	A

### 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

### Termination Features

Termination Method to Printed Circuit Board	Through Hole - Solder
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### Mechanical Attachment

Mounting Holes	With
Mating Alignment Type	Keyed
Mating Retention	With
Mating Alignment	With
PCB Mount Alignment	With
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]
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### Dimensions

Connector Length	35.31 mm [1.39 in]
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]

### 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 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](http://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 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold: Octamethylcyclotetrasiloxane (D4) (.5% in Component Part) Dodecamethylcyclohexasiloxane (D6) (.5% in Component Part) Decamethylcyclopentasiloxane (D5) (.5% in Component Part) Pb (2.81% 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>

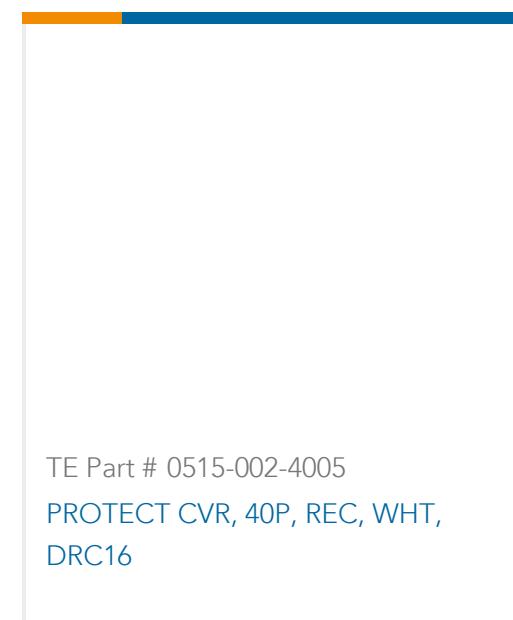
## Compatible Parts



TE Part # CAT-D799-CH8172  
DEUTSCH DRC Housings



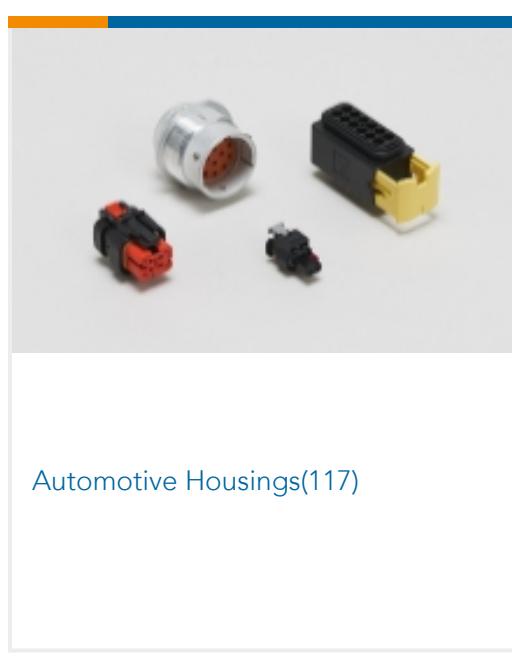
TE Part # 0504-001-4001  
DUST CAP, 40P, REC, BLK, DRC16



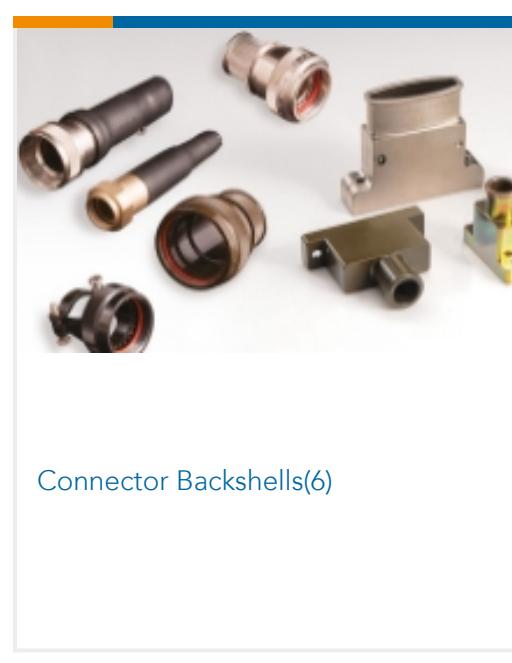
TE Part # 0515-002-4005  
PROTECT CVR, 40P, REC, WHT, DRC16

## Also in the Series

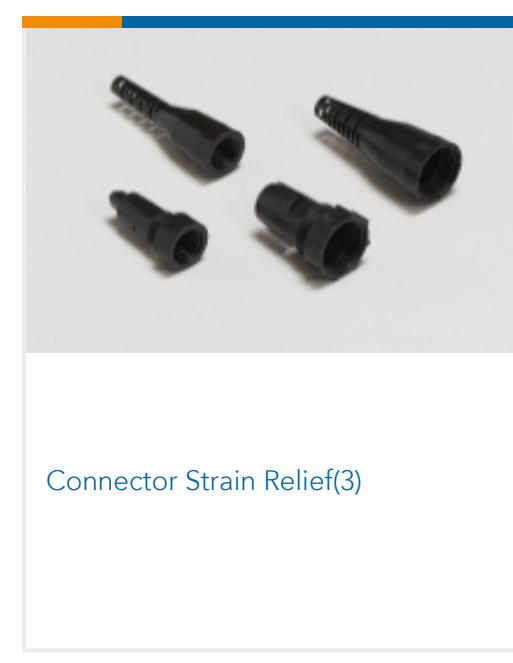
### DEUTSCH DRC



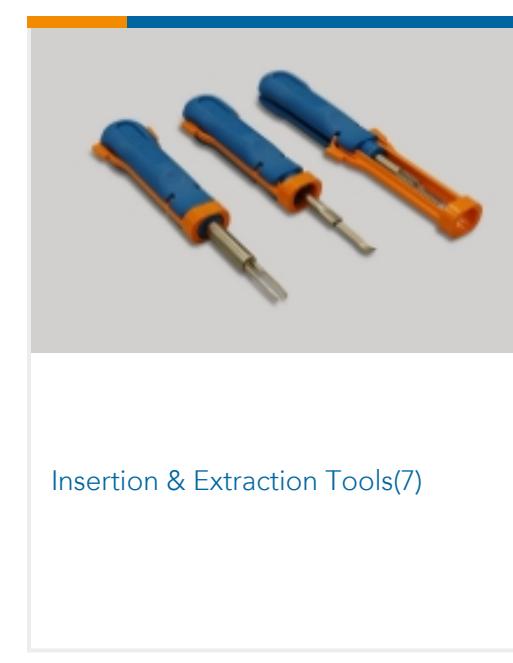
Automotive Housings(117)



Connector Backshells(6)



Connector Strain Relief(3)

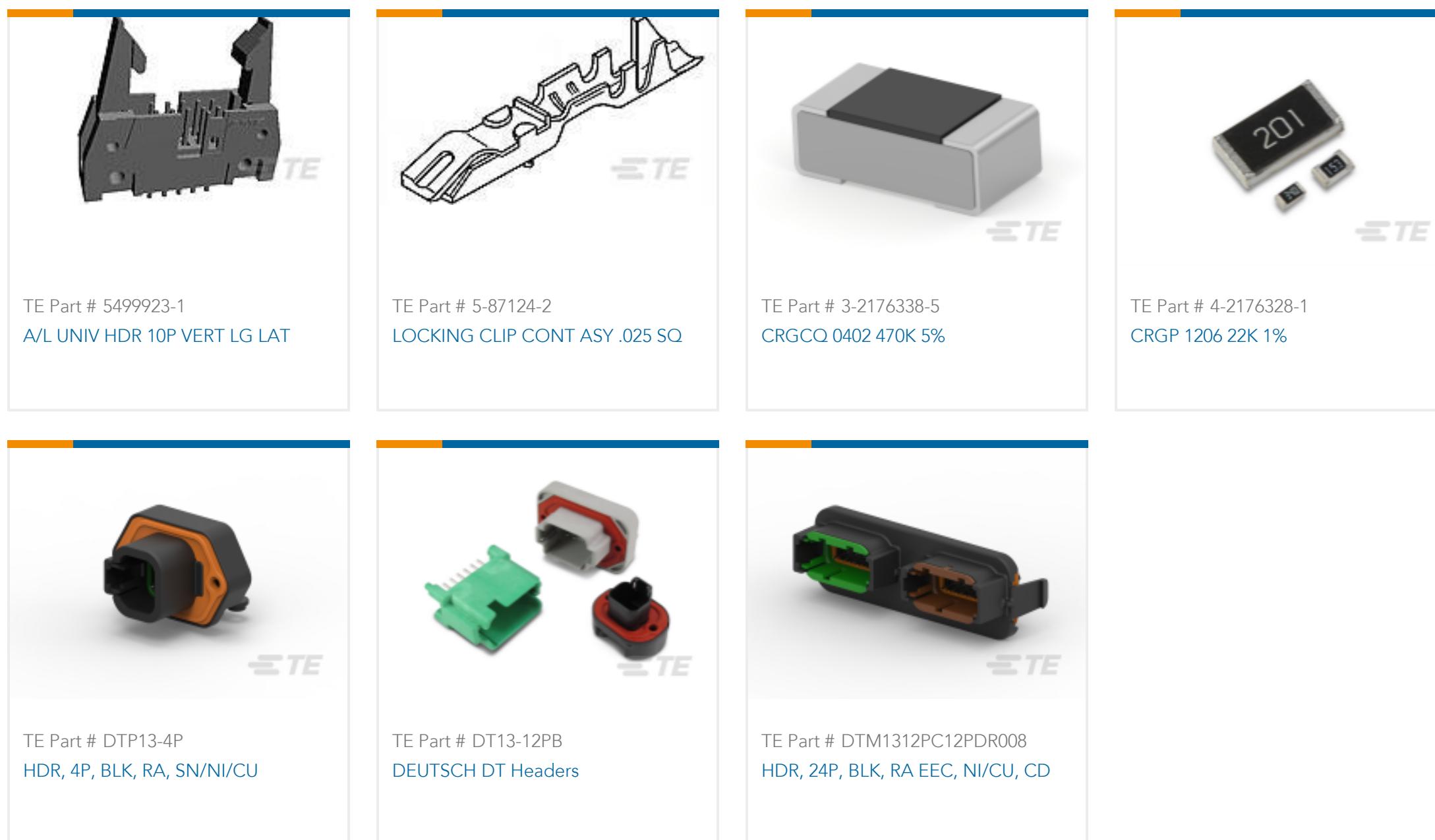


Insertion & Extraction Tools(7)



PCB Headers & Receptacles(44)

## Customers Also Bought



## 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

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