# DRC22-50P05 ✔ ACTIVE

DEUTSCH | DEUTSCH DRC

TE Internal #: DRC22-50P05

Vertical, Wire-to-Board, 50 Position, 5 Row, 4.42mm [.174in] Centerline, Gold (Au), 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): **7.5 A**

Termination Method to PCB: **Through Hole - Solder**

Sealable: **Yes**

Centerline (Pitch): **4.42 mm [ .174 in ]**

All DEUTSCH DRC Headers (44)

## Features

### Product Type Features

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

### Configuration Features

| | |
|---|---|
| Number of Signal Positions | 50 |
| Number of Sections | 2 |
| PCB Mount Orientation | Vertical |
| Number of Positions | 50 |
| Number of Rows | 5 |

### Electrical Characteristics

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

## Body Features

| | |
|---|---|
| Connector & Keying Code | 05 |
| Primary Product Color | Black |

## Contact Features

| | |
|---|---|
| Mating Pin Diameter | 1.02 mm[.04 in] |
| Contact Type | Pin |
| Contact Current Rating (Max) | 7.5 A |
| Contact Mating Area Plating Material | Gold (Au) |

## Termination Features

| | |
|---|---|
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Panel Mount Feature | With |
| Mating Retention Type | Locking Interface |
| PCB Mount Retention | With |
| Mounting Holes | With |
| PCB Mount Retention Type | Mounting Screw |
| Mating Alignment | With |
| PCB Mount Alignment | With |
| Connector Mounting Type | Board Mount |

## Housing Features

| | |
|---|---|
| Centerline (Pitch) | 4.42 mm[.174 in] |

## Dimensions

| | |
|---|---|
| Connector Width | 83.64 mm[3.293 in] |
| PCB Thickness (Recommended) | .78 – 2.36 mm[.031 – .093 in] |
| Profile Height from PCB | 28.32 mm[1.115 in] |
| Connector Length | 57.15 mm[2.25 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 | 40 |
| Packaging Method | Box |

## Other

| | |
|---|---|
| Interface Number | DRC20-50PXX |

# Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: FEB 2026 (253)<br>Candidate List Declared Against: JUNE 2025 (250)<br>SVHC > Threshold:<br>Octamethylcyclotetrasiloxane (D4) (.5% in Component)<br>Dodecamethylcyclohexasiloxane (D6) (.5% in Component)<br>Decamethylcyclopentasiloxane (D5) (.5% in Component)<br>**Article Safe Usage Statements:**<br>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 | Not Low Halogen - contains Br or Cl > 900 ppm. |
| 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-H342
DEUTSCH DRC Headers



TE Part # DRC26-50S05
PLG, 50P, BLK, N, 05

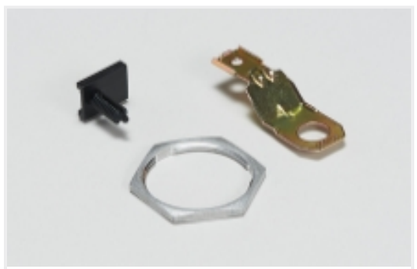
## Also in the Series | DEUTSCH DRC



Automotive Connector Caps & Covers (15)



Automotive Housings(125)

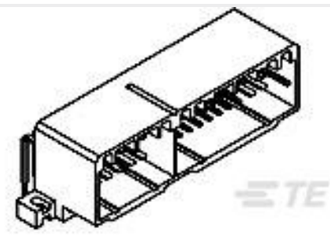


Other Automotive Connector Accessories(2)

## Customers Also Bought



TE Part #CAT-D799-H342
DEUTSCH DRC Headers



TE Part #173864-1
070 MLC 24P CAP ASSY NATURAL



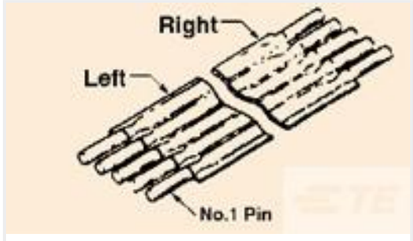
TE Part #CAT-LMPH9507
Low & Medium Power Header



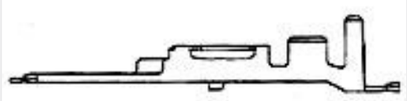
TE Part #1897294-2
ECU 154P HDR ASSY



TE Part #2-2141227-2
2POS,PIN DIA 8.0,PIN HSG,ASSY,SLD




TE Part #6-1437137-3
FSN-21.5A-30=NOMEX FS STD



TE Part #172780-1
MIC MARK-2 TAB CONTACT L.P

## Documents

### Product Drawings

HDR, 50P, BLK, ST, AU/NI/CU, 05

English

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_DRC22-50P05_99_c-drc22-50p05-99.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_DRC22-50P05_99_c-drc22-50p05-99.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_DRC22-50P05_99_c-drc22-50p05-99.3d_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

CONNECTOR SELECTOR

English

### Product Specifications

Product Specification

English

Product Specification

English

### Agency Approvals

UL Report

English