

Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings

Connector System: **Wire-to-Wire**Number of Positions: **50**Connector & Housing Type: **Housing for Female Terminals**Centerline (Pitch): **4.42 mm [.174 in]**Sealable: **Yes**[All DEUTSCH DRC Housings \(117\)](#)

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector Shape	Rectangular
Connector System	Wire-to-Wire
Connector & Housing Type	Housing for Female Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Contact Retainer

Configuration Features

Number of Positions	50
Number of Rows	5

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	24 V, 48 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black
Connector & Keying Code	04

Contact Features

Contact Size	Size 20
Contact Type	Socket
Mating Pin Diameter	1.02 mm[.04 in]
Contact Current Rating (Max)	7.5 A

Mechanical Attachment

Terminal Position Assurance	No
Strain Relief	With
Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

Housing Features

Housing Material	PA GF
Centerline (Pitch)	4.42 mm[.174 in]

Dimensions

Connector Height	36.45 mm[1.435 in]
Product Width	68.58 mm[2.7 in]
Product Length	32.36 mm[1.274 in]
Row-to-Row Spacing	4.42 mm[.174 in]
Compatible Insulation Diameter Range	1.02 - 2.41 mm[.04 - .095 in]

Usage Conditions

Operating Temperature (Max)	125 °C[257 °F]
Operating Temperature Range	-55 - 125 °C[-67 - 257 °F]

Operation/Application

Circuit Application	Signal
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Industry Standards

Degree of Protection	Not Tested
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	20mm Flame Test per Standard UL-94

Packaging Features

Packaging Quantity	125
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Packaging Method

Box

Other

Serviceable

Yes

Connector Position Assurance Capable

No

Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com/compliance)>

EU RoHS Directive 2011/65/EU

Compliant

EU ELV Directive 2000/53/EC

Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

No 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)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900
ppm.

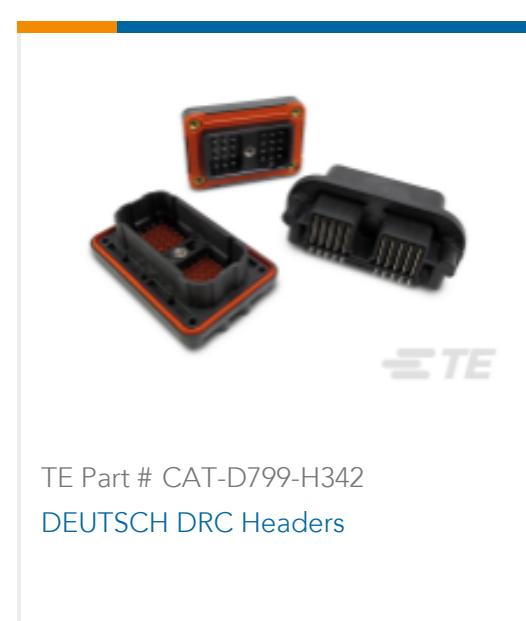
Solder Process Capability

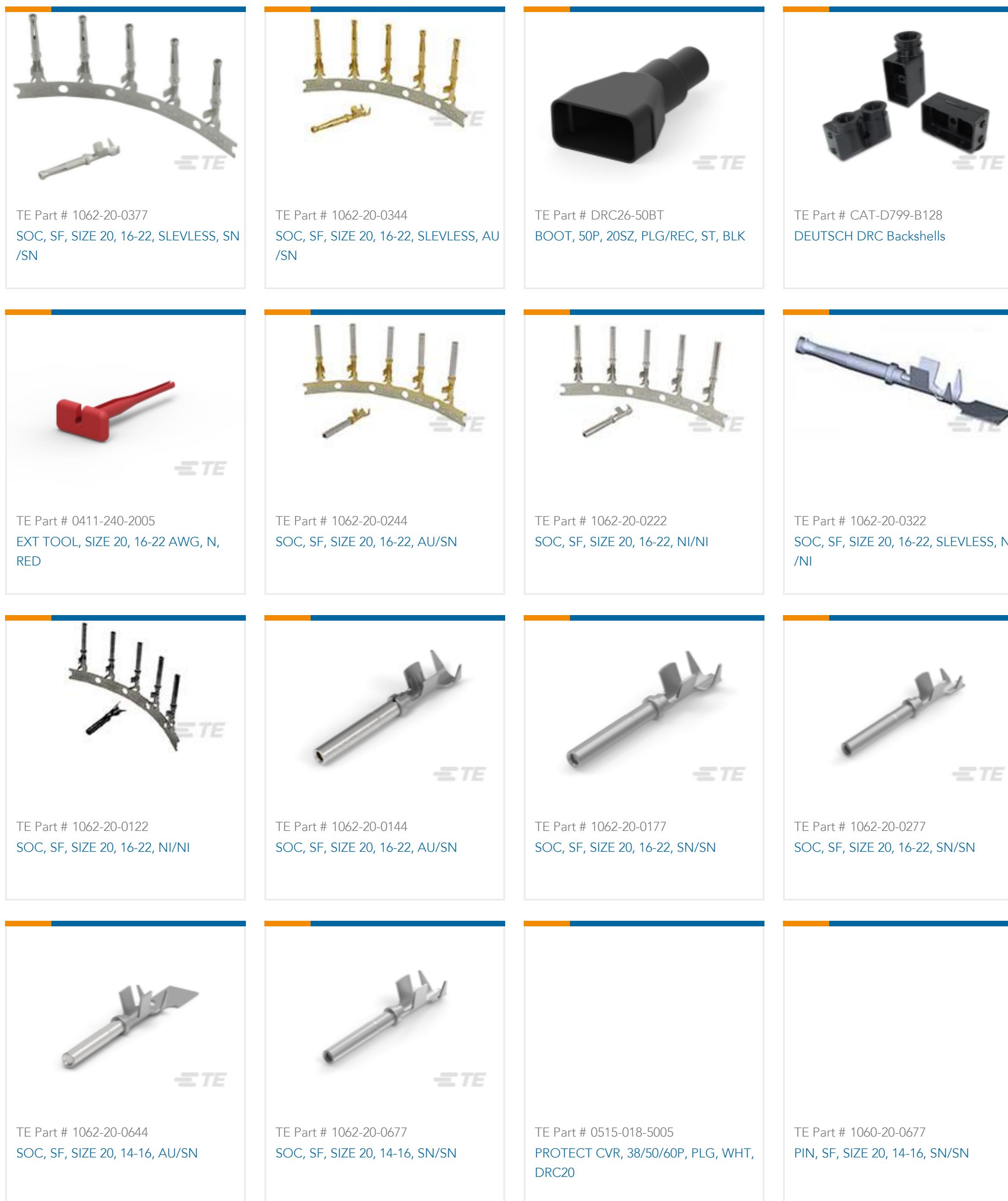
Not reviewed for solder process capability

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-D48-SP729
DEUTSCH Sealing PlugsTE Part # CAT-D799-H342
DEUTSCH DRC HeadersTE Part # CAT-D48-ST273
DEUTSCH Solid ContactsTE Part # 1062-20-0622
SOC, SF, SIZE 20, 14-16, NI/NI



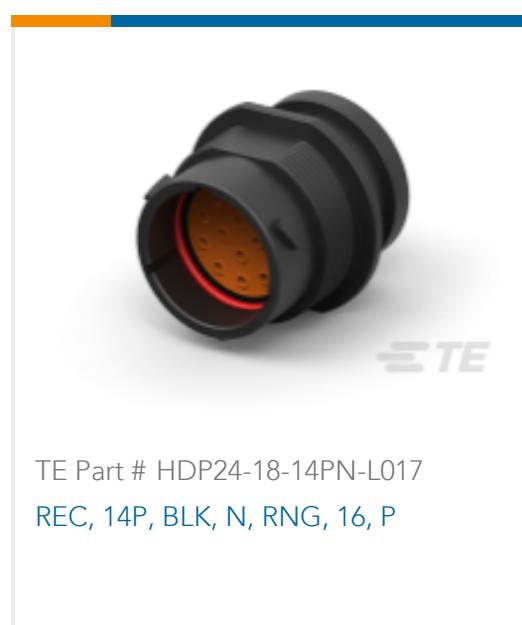
Also in the Series

DEUTSCH DRC





Customers Also Bought



Documents

Product Drawings

[PLG, 50P, BLK, N, 04](#)

English

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_DRC26-50S04_99_c-drc26-50s04-99.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC26-50S04_99_c-drc26-50s04-99.3d_jgs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_DRC26-50S04_99_c-drc26-50s04-99.3d_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

[Product Specification](#)

English

Agency Approvals

[UL Report](#)

English