

AEC14-40PA

✓ ACTIVE

DEUTSCH | DEUTSCH AEC, DEUTSCH DRC

TE Internal #: AEC14-40PA

Housing for Male Terminals, Wire-to-Wire, 40 Position, 5.41 mm [.213 in] Centerline, Sealable, Black, Wire & Cable, Power, Hybrid

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Connectors > Automotive Connectors > Automotive Housings > DEUTSCH DRC Housings



Connector System: **Wire-to-Wire**
Number of Positions: **40**
Connector & Housing Type: **Housing for Male Terminals**
Centerline (Pitch): **5.41 mm [.213 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 Male Terminals
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Primary Locking Feature	Integrated in Housing

Configuration Features

Blank Cavity Position	0
Number of Positions	40
Number of Rows	7

Electrical Characteristics

Operating Voltage	250 VAC
Nominal Voltage Architecture	250 V

Body Features

Cable Exit Angle	180°
Primary Product Color	Black



Connector & Keying Code	A
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Contact Features

Contact Size	Size 16
Contact Type	Pin
Mating Pin Diameter	1.59 mm[.063 in]
Contact Current Rating (Max)	13 A

Mechanical Attachment

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

Housing Features

Housing Material	PEI (Polyetherimide)
Centerline (Pitch)	5.41 mm[.213 in]

Dimensions

Connector Height	48.11 mm[1.894 in]
Product Width	49.38 mm[1.944 in]
Product Length	41.71 mm[1.642 in]
Row-to-Row Spacing	5.41 mm[.213 in]
Compatible Insulation Diameter Range	2.54 – 3.4 mm[.1 – .134 in]

Usage Conditions

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

Operation/Application

Circuit Application	Power
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Industry Standards

Degree of Protection	Not Tested
Compatible With Agency/Standards Products	SAE J2030
UL Flammability Rating	UL 94HB

Packaging Features

Packaging Quantity	100
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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>

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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
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 # AEC16-40SA
PLG, 40P, BLK, N, A



TE Part # CAT-D48-SP729
DEUTSCH Sealing Plugs



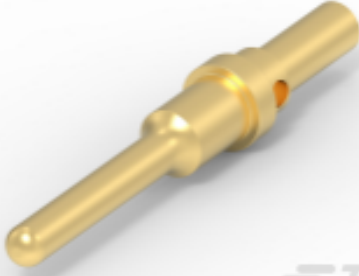


TE Part # CAT-D48-ST273
DEUTSCH Solid Contacts




TE Part # CAT-J67-DSCC16
DEUTSCH Size 16 Crimp Contacts







 TE Part # 0411-291-1405 EXT TOOL, SIZE 16, 14-16 AWG, N, GRN	 TE Part # 0411-204-1605 EXT TOOL, SIZE 16, 16-18 AWG, N, DRK BLU	 TE Part # 2300908-1 0460-003-16329, PIN, SOLID, 20-24AWG, AU	 TE Part # 0504-002-4001 DUST CAP, 40P, REC, BLK, AEC
 TE Part # 0515-009-4005 PROTECT CVR, 40P, REC, YEL, AEC	 TE Part # CAT-D48-SFT273 DEUTSCH Stamped and Formed Contacts	 TE Part # YAE40-BT-STPDWN-0 BOOT, 40P, PLG/REC, STEP, ST, BLK	

Also in the Series | **DEUTSCH AEC**



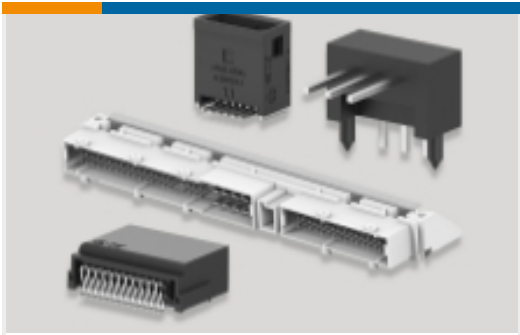
Automotive Housings(6)

Also in the Series | **DEUTSCH DRC**

 Automotive Housings(117)	 Connector Backshells(6)	 Connector Strain Relief(3)	 Insertion & Extraction Tools(7)
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PCB Headers & Receptacles(44)

Customers Also Bought



TE Part #AEC16-40SC
DEUTSCH DRC Housings



TE Part #DTCE06-1-4S-E003
DTCE PLUG ASM



TE Part #61863-2
RING CRIMP 18-14 AWG TPBR



TE Part #7G7920-6
SEAL PLUG, SIZE 4, BLU



TE Part #4060-005-04141
PIN, SOLID, SIZE 4, 4AWG, NI



TE Part #0515-001-4005
PROTECT CVR, 40P, PLG, WHT, DRC16



TE Part #AEC14-40PC
REC, 40P, BLK, N, C

Documents

Product Drawings

REC, 40P, BLK, N, A

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_AEC14-40PA_D.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_AEC14-40PA_D.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_AEC14-40PA_D.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

ICT Terminals and Connectors Catalogue

English

Product Specifications

Product Specification

English

Agency Approvals

UL Report

English