

1452581-6 ✓ ACTIVE

FAKRA RF Connector System

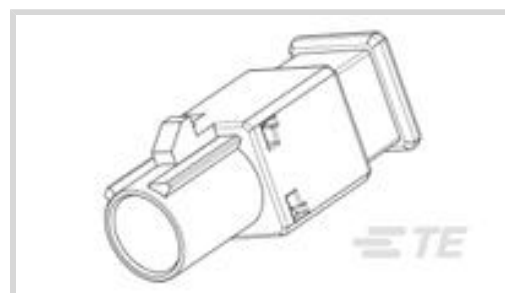
TE Internal #: 1452581-6

Data Connectivity Housings, Housing for Male Terminals, Keying Code F, Board-to-Board / Wire-to-Wire, 1 Position, FAKRA RF Connector System

[View on TE.com >](#)



Connectors > Automotive Connectors > Data Connectivity Systems > Data Connectivity Housings



Connector & Housing Type: **Housing for Male Terminals**

Keying Code: **F**

Connector System: **Board-to-Board, Wire-to-Wire**

Number of Positions: **1**

Sealable: **No**

Features

Product Type Features

Board Standoff	Without
Hybrid Connector	No
Connector & Housing Type	Housing for Male Terminals
Connector System	Board-to-Board, Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

Configuration Features

Fiber Optic Transceiver	Without
Snap-Lock	Without
Keying Code	F
Number of Positions	1

Signal Characteristics

Operating Frequency Range	0 – 6000 MHz
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Body Features

Environmental Protection	Other
Ferrule	Without
Body Material	PBT GF
Cable Exit Angle	180° (In-Line)



Contact Features

Center Contact	Without
Contact Type	Pin
Contact Mating Area Plating Material	None
RF Connector Center Contact Plating Material	None

Mechanical Attachment

Mounting Feature	Without
Panel Attachment Style	Front Mount
Mating Retention	With

Housing Features

Housing Color	Brown
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Dimensions

Product Width	10.9 mm[.429 in]
Product Length	26 mm[1.023 in]
Product Height	10.3 mm[.405 in]

Usage Conditions

Operating Temperature (Max)	65 °C, 70 °C, 75 °C, 80 °C, 85 °C[149 °F][158 °F][167 °F][176 °F][185 °F]
Cable Type	DACAR 462
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Shielded	No
Circuit Application	Signal

Packaging Features

Packaging Quantity	2500
Packaging Method	Bulk

Other

Outer Contact Plating Material	Other
Dielectric Material	None

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 2022 (224) Candidate List Declared Against: JAN 2022 (223) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable 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 # 1719261-6
1 POS FAKRA II PLUG HSG CODF FREE



TE Part # 2-1719261-6
1 POS FAKRA II PLUG HSG CODF FIXED



TE Part # 1452584-6
1 WAY PLUG CONN FAKRA2



TE Part # 2-2287956-6
1 POS, FAKRA II, PLUG, REC HSG, CODF, ASSY



TE Part # 2141494-6
1 POS, CONTACT KIT, REC HSG, ASSY, CODF



TE Part # 1719794-1
SUBASSY PLUG FAKRA, HF

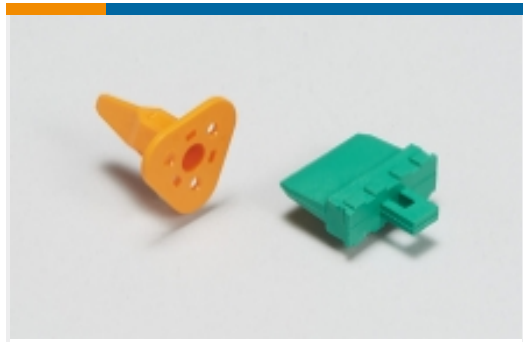
Also in the Series | FAKRA RF Connector System



Automotive Connector Caps & Covers (1)



Automotive Connector EMC Shielding (5)



Automotive Connector Locks & Position Assurance(4)



Automotive Housings(2)



Automotive Terminals(12)



Coax Contacts(1)



Data Connectivity Headers(358)



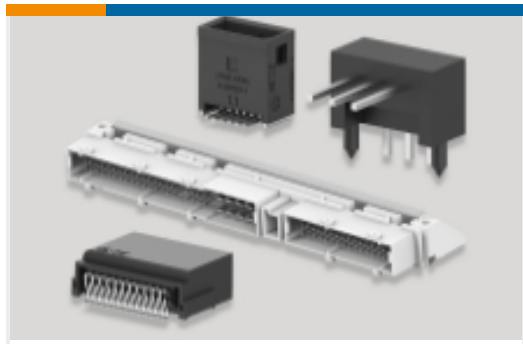
Data Connectivity Housings(415)



Infotainment & Multimedia Cable Assemblies(1)



Other Automotive Connector Accessories(34)

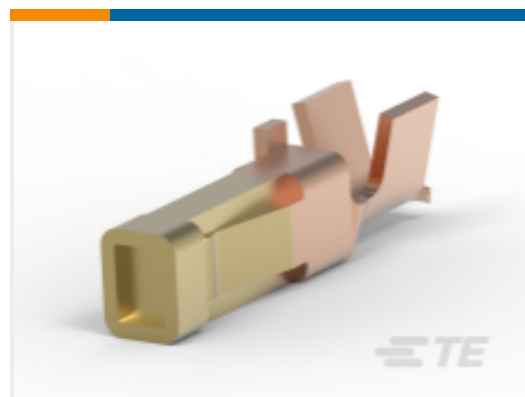


PCB Headers & Receptacles(1)

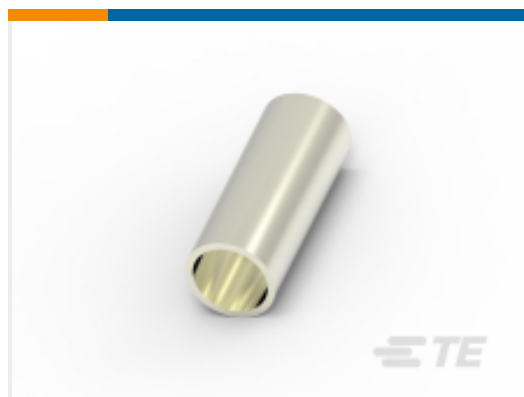


RF Connectors(1)

Customers Also Bought



TE Part #1-2005002-1
REC CONT FOR RF STRIPLINE



TE Part #1-413889-3
FERRULE,NI PLTD



TE Part #1488146-2
JACK SUBASSEMBLY,RG174,HF,FAKR



TE Part #1897797-3
TAB DIELECTRIC-RF STRIPLINE



TE Part #1897799-2
TAB CONTACT FOR RF STRIPLINE



TE Part #2-1897798-3
TAB SHIELD CONT RF STRIPLINE EMC



TE Part #2-2005001-3
REC SHIELD CONT RF STRIPLINE EMC



TE Part #2005000-3
REC DIELECTRIC-RF STRIPLINE



Documents

Product Drawings

1 WAY JACK COAX CONN FAKRA2

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_1452581-6_B_c-1452581-6-b.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1452581-6_B_c-1452581-6-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1452581-6_B_c-1452581-6-b.3d_stp.zip](#)

English

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Product Specifications

Application Specification

English