

2209201-4 ✓ ACTIVE

FAKRA RF Connector System

TE Internal #: 2209201-4

Shielded, Horizontal, 1 Position, Board Mount, D Code, Signal, -40

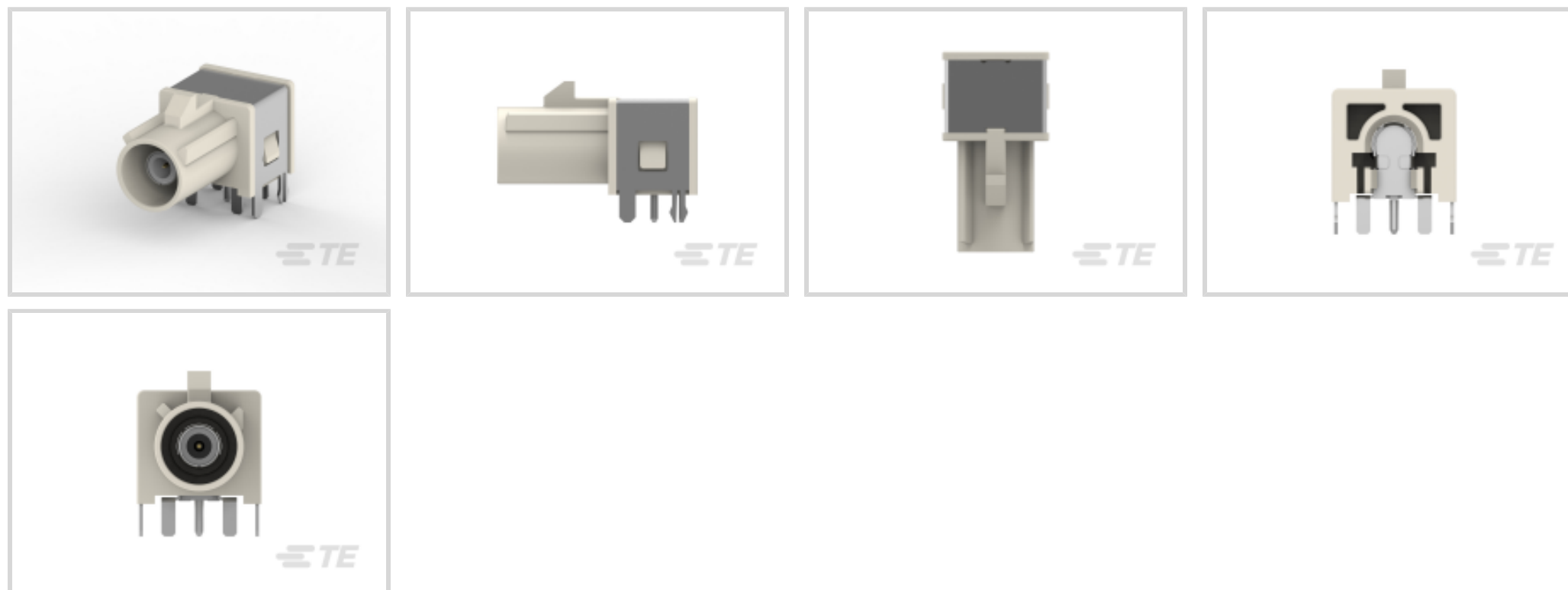
- 105 °C [-40 – 221 °F], FAKRA RF Connector System, Data

Connectivity Headers

[View on TE.com >](#)



Connectors > Automotive Connectors > Data Connectivity Systems > Data Connectivity Headers



Sealable: **No**

Shielded: **Yes**

PCB Mount Orientation: **Horizontal**

Number of Positions: **1**

Connector Mounting Type: **Board Mount**

Features

Industry Standards

Compatible With Agency/Standards Products	USCAR
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Electrical Characteristics

Impedance	50 Ω
Operating Voltage	60 VDC

Signal Characteristics

Operating Frequency Range	0 – 6000 MHz
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Housing Features

Housing Color	Violet
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Termination Features

Termination Method to PCB	Through Hole - Solder
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Dimensions

Product Width	10.4 mm[.409 in]
Product Length	19.5 mm[.768 in]



Connector Height	13.8 mm[.543 in]
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Other

Outer Contact Plating Material	Tin (Sn)
Dielectric Material	PCT
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

Contact Features

RF Connector Center Contact Plating Material	Other
Contact Mating Area Plating Material	Gold
Center Contact	With
Contact Type	Pin
Mating Pin Diameter	.5 mm[.02 in]

Body Features

PCB Retention Feature Plating Material	Tin
Body Material	PA6T GF30
Connector & Keying Code	D

Mechanical Attachment

PCB Mount Retention	With
Mating Retention	With
PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount

Operation/Application

Assembly Process Feature	Board Standoff
Shielded	Yes
Circuit Application	Signal

Product Type Features

Connector & Contact Terminates To	Printed Circuit Board
Mixed & Hybrid Connector	No
Sealable	No

Configuration Features

PCB Mount Orientation	Horizontal
Number of Positions	1



Usage Conditions

Operating Temperature (Max)	105 °C[221 °F]
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

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 2024 (241) 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	Wave solder capable to 265°C

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



Also in the Series | FAKRA RF Connector System



Automotive Connector Caps & Covers (2)



Automotive Terminals(28)



Connector Contacts(1)



Data Connectivity Housings(525)



Power Contacts(1)



RF Contacts(6)

Customers Also Bought



TE Part #206070-8
CABLE CLAMP KIT #17



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #DT06-2S
PLG, 2P, GRY, N



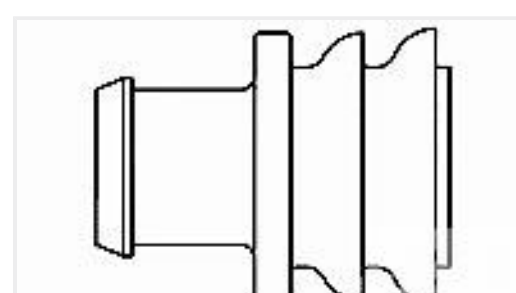
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM,
CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

Documents

Product Drawings

Jack Assy, RA, Panel Mount, PCB, FAKRA

English

CAD Files

3D PDF

3D

Customer View Model



[ENG_CVM_CVM_2209201-4_B_c-2209201-4-b.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2209201-4_B_c-2209201-4-b.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2209201-4_B_c-2209201-4-b.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Product Specifications

[Application Specification](#)

English