6-2287906-3 ✔ ACTIVE

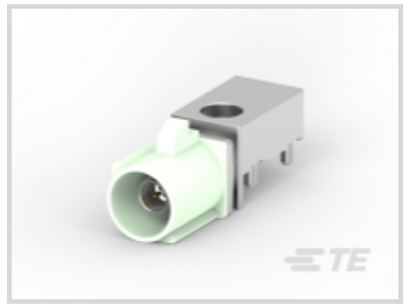
AMP | FAKRA RF Connector System

TE Internal #: 6-2287906-3

Data Connectivity Headers, N, Wire-to-Board, 1 Position, Shielded, Edge, Signal, -40 - 185 °F [-40 - 85 °C], FAKRA RF Connector System

View on TE.com >

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







Mating Pin Diameter: **.51 mm [.02 in]**

Connector & Keying Code: **N**

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

Number of Positions: **1**

Sealable: **No**

Features

Product Type Features

Mixed & Hybrid Connector	No
Connector & Contact Terminates To	Printed Circuit Board
Connector System	Wire-to-Board
Sealable	No

Configuration Features

Number of Positions	1
PCB Mount Orientation	Edge

Electrical Characteristics

Impedance	50 Ω

Body Features

PCB Retention Feature Plating Material	Tin
Body Material	PA GF
Connector & Keying Code	N

Contact Features

Center Contact	With
Contact Type	Pin
Contact Mating Area Plating Material	Gold
RF Connector Center Contact Plating Material	Gold (Au)
Mating Pin Diameter	.51 mm[.02 in]

Mechanical Attachment

Mating Retention	With
PCB Mount Retention	With
PCB Mount Retention Type	Solder Tail
Panel Attachment Style	Front Mount

Housing Features

Housing Color	Pastel Green

Dimensions

Connector Height	5 mm[.197 in]
Product Width	7.5 mm[.295 in]
Product Length	24.5 mm[.965 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]
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]

Operation/Application

Shielded	Yes
Circuit Application	Signal

Industry Standards

Compatible With Agency/Standards Products	SAE/USCAR-17

Packaging Features

Packaging Quantity	1600
Packaging Method	Reel

Other

Outer Contact Plating Material	Tin (Sn)
Dielectric Material	PCT

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: JAN 2024 (240) Candidate List Declared Against: JUN 2016 (169) 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 reviewed for solder process capability

Product Compliance Disclaimer

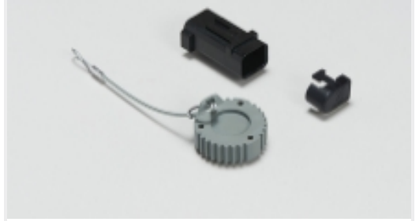
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts

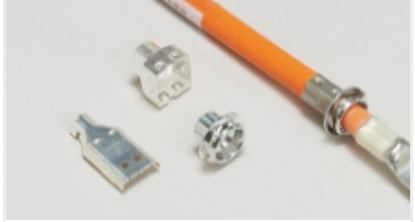


TE Part # 1-2272519-3
FEMALE KIT, 1P, FAKRA

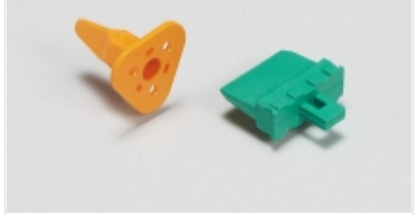
Also in the Series | FAKRA RF Connector System



Automotive Connector Caps & Covers (2)



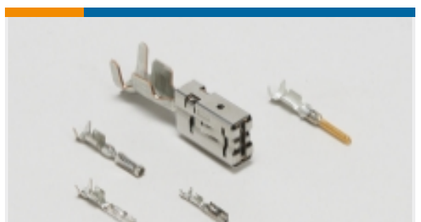
Automotive Connector EMC Shielding (5)



Automotive Connector Locks & Position Assurance(8)



Automotive Housings(5)



Automotive Terminals(30)



Coax Connectors(1)



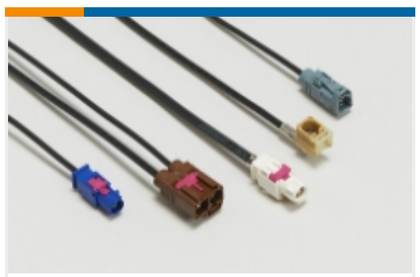
Connector Contacts(1)



Data Connectivity Headers(367)



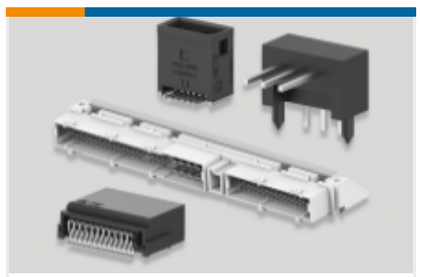
Data Connectivity Housings(515)



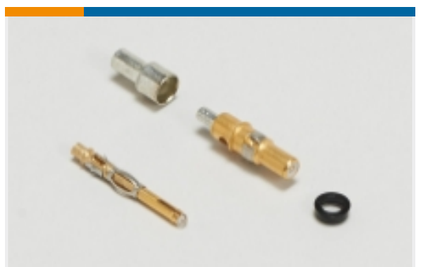
Infotainment & Multimedia Cable Assemblies(1)



Other Automotive Connector Accessories(27)



PCB Headers & Receptacles(2)

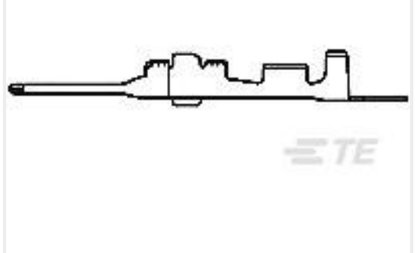


RF Contacts(6)

Customers Also Bought



TE Part # 1376111-6
025 24 POS CAP ASSY V



TE Part # 917067-6
040-2 TAB CONT S GOLD 22-18



TE Part # 1-1318384-4
High Pin Count Header



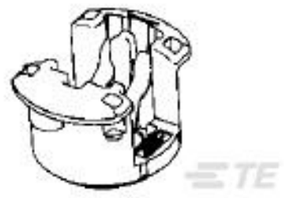
TE Part # 1903883-1
0.50 SERIES CONN 16POS PLUG HOUSING ASSY



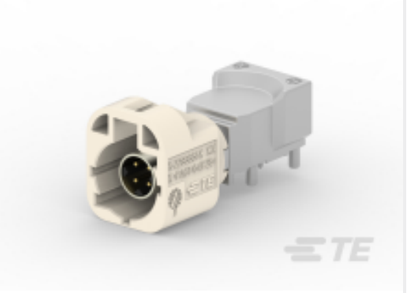
TE Part # 1473369-3
SQUIB 11DIA SCR ASSY 8.8MM TYP



TE Part # 1-2236896-5
2POS, MCON 1.2 LL REC SEALED



TE Part # 1473369-7
SQUIB 11DIA SCR ASSY CODE-A GR



TE Part # 2286546-2
HSD,HDR ASSY,90DEG,COD B



TE Part # 1747085-1
0.64 6POS PLUG ASSY

Documents

Product Drawings

FAKRA, 1 POS, EDGE MOUNT, 12 OCLOCK ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-2287906-3_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-2287906-3_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-2287906-3_E.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Product Specifications

Application Specification

English