6-2287903-2 ✔ ACTIVE

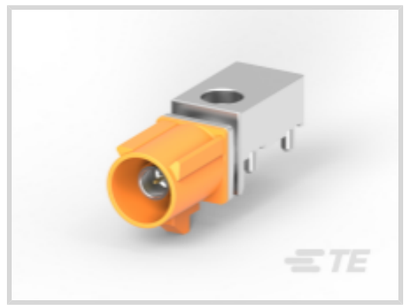
AMP | FAKRA

TE Internal #: 6-2287903-2

Wire-to-Board, Edge, 1 Position, Board Mount, M Code, Signal, -40 – 105 °C [-40 – 221 °F], FAKRA, Data Connectivity Headers

View on TE.com >

Automotive Parts > Automotive Connectors > Data Connectivity Headers







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

Sealable: **No**

Shielded: **No**

PCB Mount Orientation: **Edge**

Number of Positions: **1**

Features

Product Type Features

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

Configuration Features

Number of Rows	1
PCB Mount Orientation	Edge
Number of Positions	1

Electrical Characteristics

Operating Voltage	800 VAC
Impedance	50 Ω

Body Features

PCB Retention Feature Plating Material	Tin
Body Material	PA GF

Connector & Keying Code	M

Contact Features

Outer Contact Plating Material	Tin (Sn)
RF Connector Center Contact Plating Material	Gold (Au)
Contact Mating Area Plating Material	Gold (Au)
Center Contact	With
Contact Type	Pin
Mating Pin Diameter	.51 mm[.02 in]
Contact Current Rating (Max)	1 A

Termination Features

Termination Method to PCB	Through Hole - Solder

Mechanical Attachment

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

Housing Features

Housing Color	Pastel Orange

Dimensions

Product Width	7.5 mm[.295 in]
Product Length	24.5 mm[.965 in]
Connector Height	10.45 mm[.411 in]

Usage Conditions

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

Operation/Application

Operating Frequency Range	0 – 6 GHz
Shielded	No
Circuit Application	Signal

Industry Standards

Compatible With Agency/Standards Products	SAE/USCAR-17

Packaging Features

Packaging Quantity	1600
Packaging Method	Reel

Other

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 # 2474533-1
ADAPTER,SMA F TO FAKRA F,NO HOUSING,6GHZ

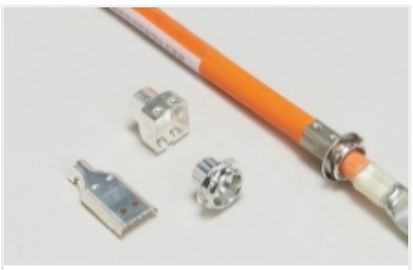


TE Part # 1-2272519-2
1P, FAKRA AUT, SOC HSG ASSY

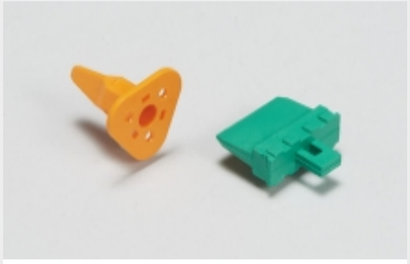


TE Part # 2474535-1
ADAPTER,SMA F TO FAKRA F W H, STR,6GHZ

Also in the Series | FAKRA



Automotive Connector EMC Shielding (3)



Automotive Connector Locks & Position Assurance(11)



Automotive Housings(7)



Automotive Seals & Cavity Plugs(2)



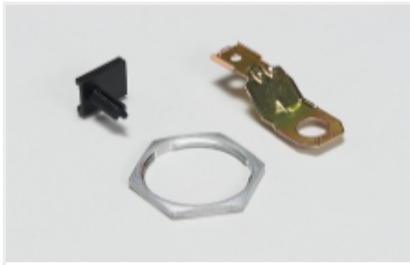
Automotive Signal & Power Connector Housings(5)



Connector Adapters & Connector Savers(6)



Infotainment & Multimedia Cable Assemblies(31)

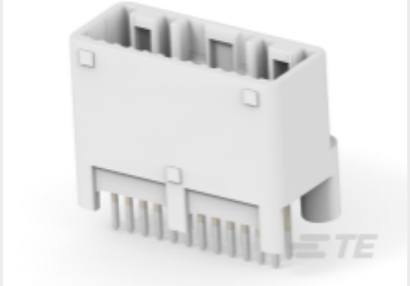


Other Automotive Connector Accessories(32)

Customers Also Bought



TE Part #CAT-HPCH5372
High Pin Count Header



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



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



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



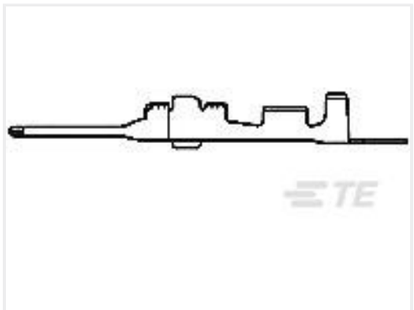
TE Part #1903883-1
0.50 SERIES CONN 16POS PLUG HOUSING ASSY



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



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



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



TE Part #1747085-1
0.64 6POS PLUG ASSY

Documents

Product Drawings

FAKRA, 1 POS, EDGE MOUNT, 6 OCLOCK ASSY

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_6-2287903-2_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_6-2287903-2_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_6-2287903-2_E.3d_stp.zip

English

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Product Specifications

Application Specification

English