# 5-2287903-8 ✔ ACTIVE

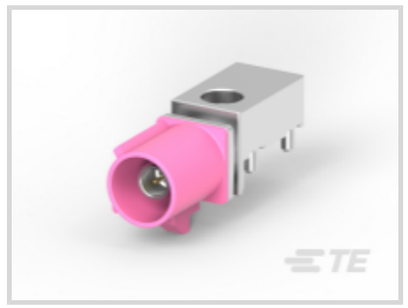
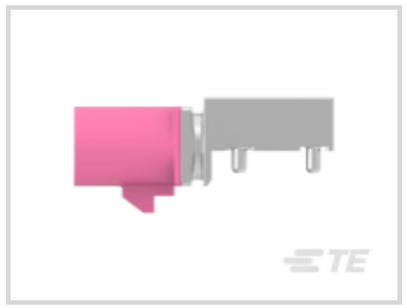
AMP | FAKRA

TE Internal #: 5-2287903-8

Wire-to-Board, Edge, 1 Position, Board Mount, H 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 | H |

## 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 | Violet |

## 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)<br>Candidate List Declared Against: JUNE 2025 (250)<br>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

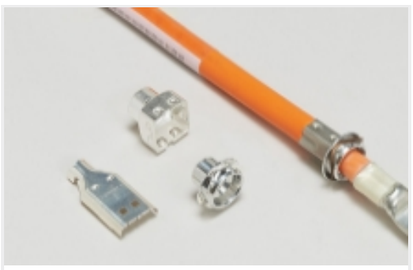


TE Part # 2474535-1
ADAPTER,SMA F TO FAKRA F W H, STR,6GHZ

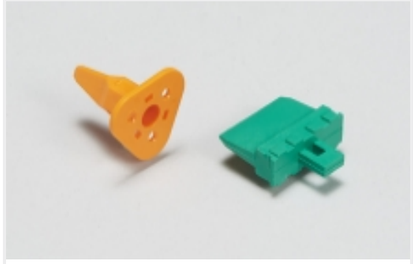


TE Part # 2272519-8
1P, FAKRA AUT, SOC HSG ASSY

## Also in the Series | FAKRA



Automotive Connector EMC Shielding (3)



Automotive Connector Locks & Position Assurance(11)



Automotive Housings(7)



Automotive Seals & Cavity Plugs(2)



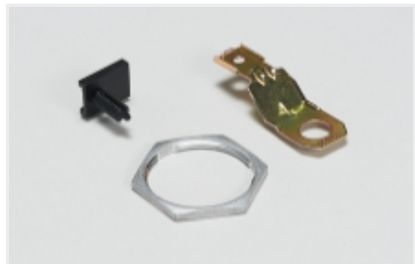
Automotive Signal & Power Connector Housings(5)



Connector Adapters & Connector Savers(6)



Infotainment & Multimedia Cable Assemblies(31)

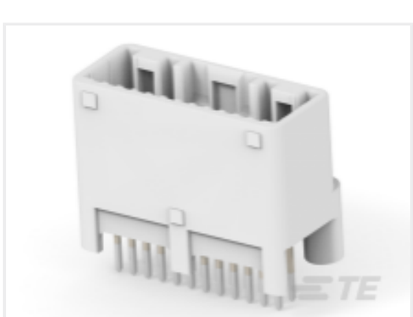


Other Automotive Connector Accessories(32)

## 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_5-2287903-8_E.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-2287903-8_E.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2287903-8_E.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