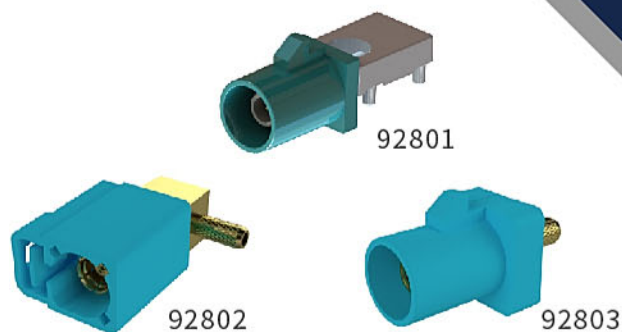


## FAKRA Series 92801~92803

### Overview



With the increasing demand for high-resolution infotainment displays and autonomous driving systems, the FAKRA connector has played a pivotal role in automotive electronics. The product - ACES FAKRA series was designed to fulfill the strict requirements of the automotive industry. The diverse applications of the ACES FAKRA series include GPS telematics, navigation, automotive infotainment systems, etc.

### Benefits

- Fulfill the strict requirements of the automotive industry
- 14 Codings to avoid mis-installation
- Primary and secondary locking systems lead to high assembling security
- Reliable and durable
- FAKRA-SF products allow process-safe and fully
- Automated assembly for significant cost reduction
- Separate housing is available

### Applications

- Antenna
- GPS telematics or navigation
- Infotainment & TV
- Mobile communication
- RF BT / WLAN applications
- Keyless system
- Vehicle auxiliary heating
- Sensors for detection and reaction

### Features

FAKRA	92801~92803
Item	Spec.
Impedance	50 $\Omega$
Frequency Range	DC up to 6 GHz
High Data Rates	up to 8 Gbps
Return Loss	$\geq 18$ dB
Temperaure Range	-40 °C to +105 °C
Mating Cycles	$\geq 25$
Reference	ISO 20860-1 & US-Car 18

## Product Number Structure

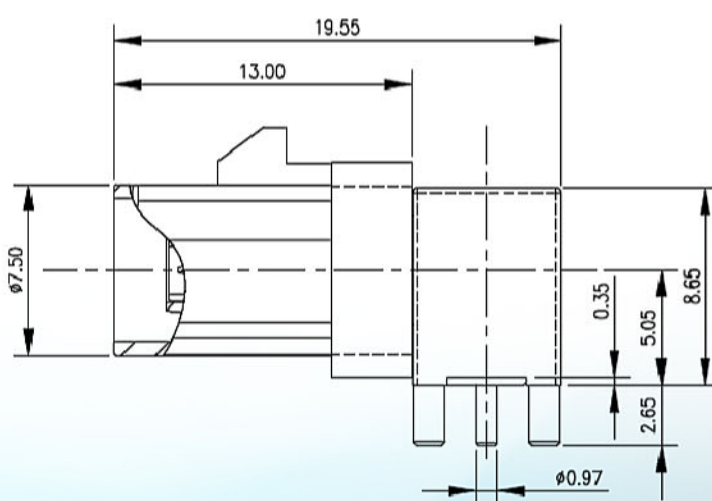
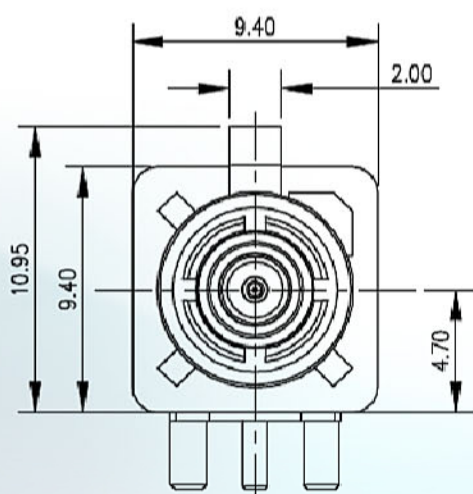
Refer to the chart below when determining the product specifications from the product number.

9 2 8 0 1 - B 1 Z 0 2 - C A 1  
                     ①           ② ③ ④ ⑤ ⑥                   ⑦

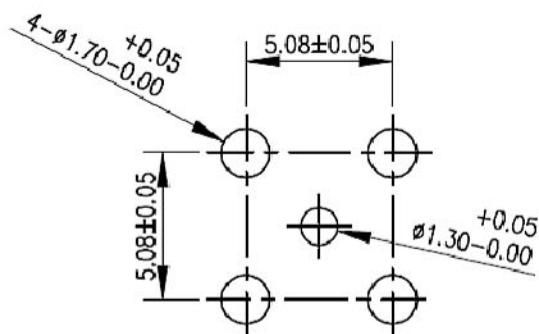
①	FAKRA Series Number	⑤	Packing (0=Tape & Reel 、1=Tube 、2=Tray 、3=Bag 、4=Tape & Reel with Mylar
②	Type (A=ST 、B=R/A 、C=Sink Board 、D=ST(Water Proof) 、E=R/A(Water Proof) 、F=Sink Board(Water Proof)	⑥	Plating (2=Gold Flash on contact 、A=3u" Gold on contact for Lead Free 、G=6u" Gold on contact for Lead Free 、
③	Port (1=1 Port 、2=2 Port 、4=4 Port...)	⑦	Serial Code
④	Code (A=A Code 、B=B Code 、C=Code...)		

## Basic Specification

■ 92801-B1XX2-CA1



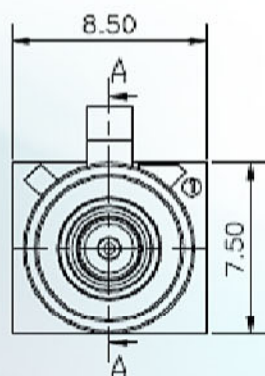
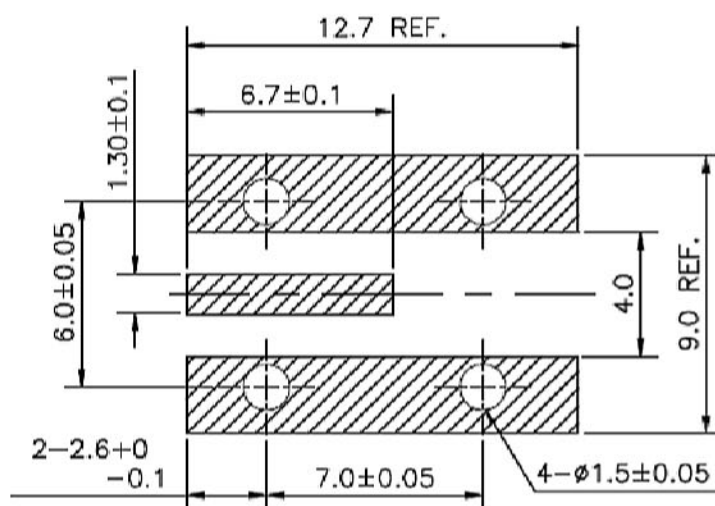
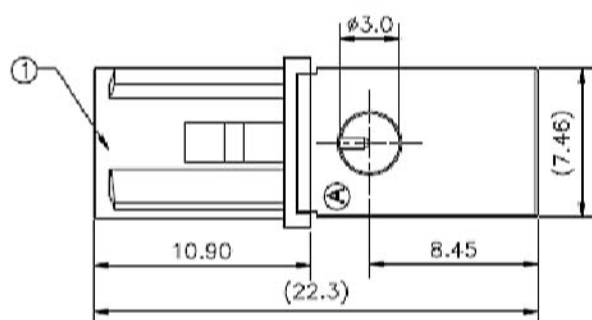




RECOMMENDED PCB HOLE

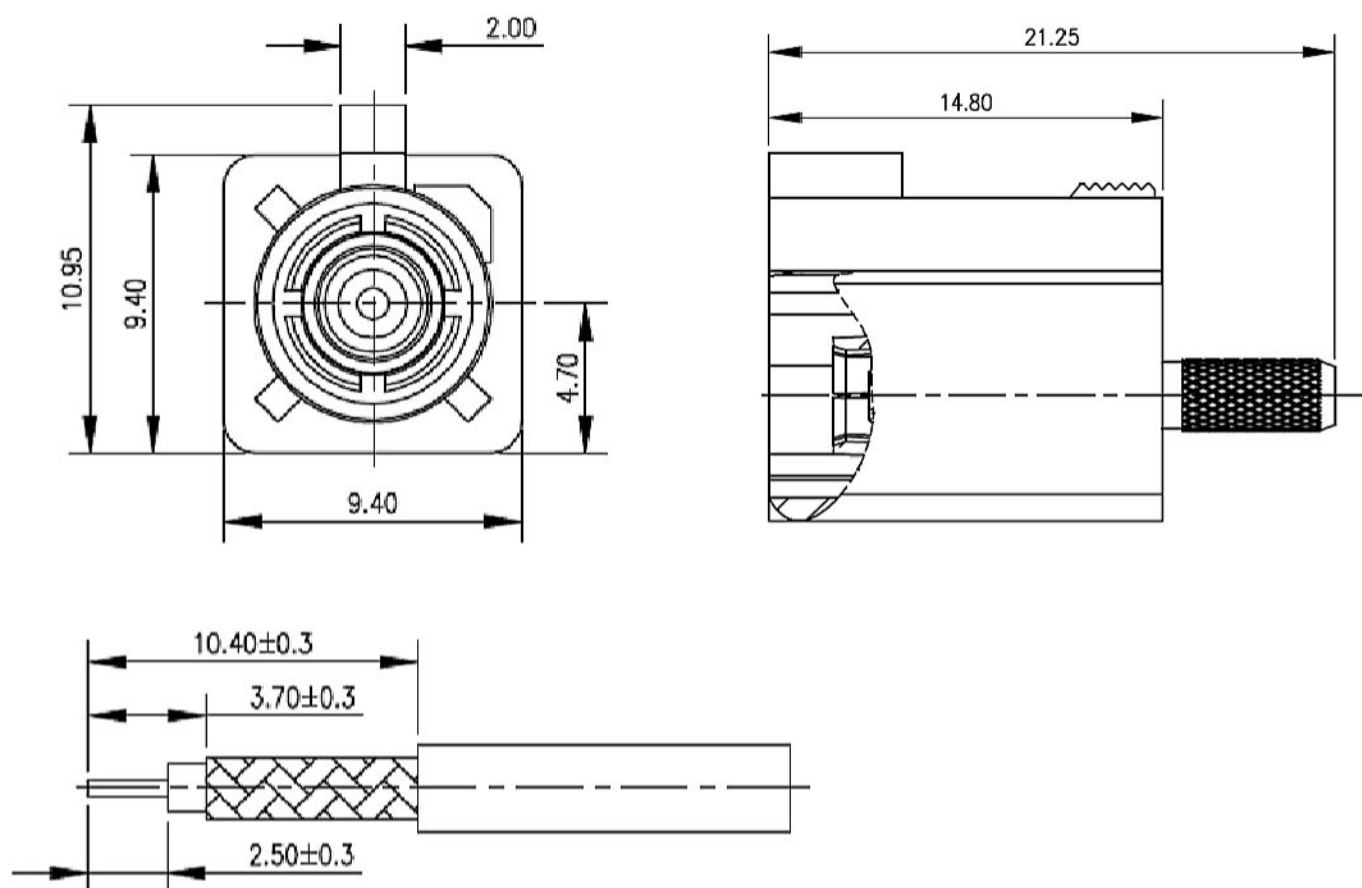
ITEM	DESCRIPTION	MATERIAL	FINISHED
1	CONTACT	BRASS	COLD
2	COVER	ZINC	NICKEL
3	INSULATOR	PTFE	NATURAL
4	INSULATOR	PTFE	NATURAL
5	BODY	ZINC	NICKEL
6	HOUSING	PA9T GN2330-1	BY CODE COLOR

## 92801-C1XX2-CA1



ITEM	DESCRIPTION	MATERIAL	FINISHED
1	HOUSING	PA9T UL94 - 0	DEEP BLACK "A" CODE
2	BODY	ZINC	MATTID TIN 120u"Min. NICKEL 50u"Min.
3	CONTACT	BRASS	GOLD 3u"
4	INSULATOR	PTFE	NATURAL

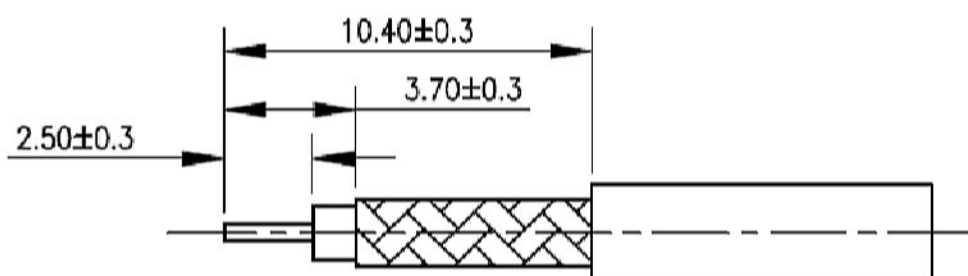
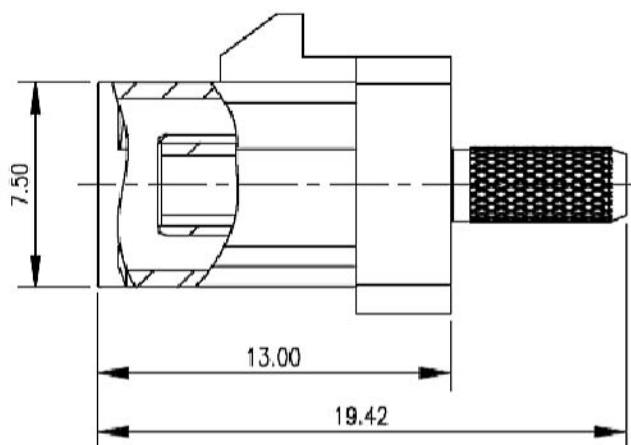
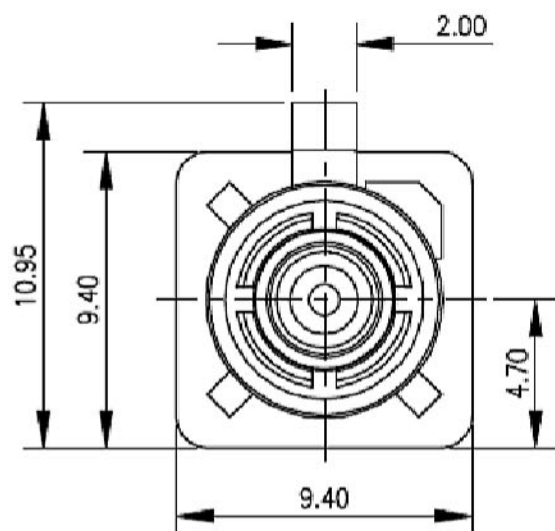
## ■ 92802-A1XX2-CA1



RECOMMENDED CABLE STRIPPING DIM'S

NO.	DESCRIPTION	MATERIAL	FINISHED
1	HOUSING	PBT+15%GF	BY CODE CLOROR
2	BODY	ZINC	NICKEL
3	II NSULATOR	PTFE	NATURAL
4	CONTACT	BE.COPPER	GOLD
5	FERRULE	BRASS	NICKEL
6	SHRING TUBE	PE	BLACK

## ■ 92803-A1XX2-CA1



RECOMMENDED CABLE STRIPPING DIM'S

ITEM	DESCRIPTION	MATERIAL	FINISHED
1	HOUSING	PBT+15%GF	BY CODE COLOR
2	BODY	ZINC	NICKEL
3	INSULATOR	PTFE	NATURAL
4	CONTACT	BRASS	GOLD
5	FERRULE	BRASS	NICKEL
6	FERRULE	BRASS	NICKEL