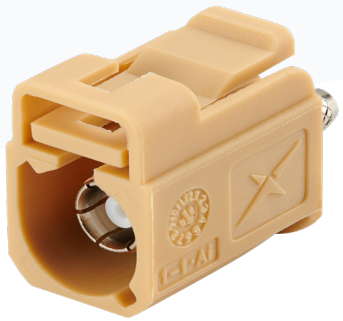
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FAKRA Code I Beige Connector

FAKRA Gen 2 – Code I for RG-174, RG-316, TGC/CFD-200, TGC-302, TGC-1.5DS cables



Product description

Taoglas is a leading provider of advanced technology for a smarter world. Our solutions include advanced components and technologies and help OEMs, enterprises, and communities to resolve the complexities of bringing digital transformation solutions to market quickly and cost effectively. Focused on best-in-class, high-performance antenna and RF design with advanced positioning, imaging, audio and artificial intelligence technologies, Taoglas understands the importance of high-performance connections.

Taoglas GEN.2 FAKRA connectors utilize a metal SMB connector embedded within a plastic enclosure that is colour coded and keyed for ease of identification and assembly. They have been designed with a swivel style housing for ease of installation. They are designed for high-volume production, automated harness assembly and provide superior performance. They are manufactured with the highest precision and are thoroughly tested to meet USCAR-2 and USCAR-17 standards. All Taoglas connectors are RoHS & REACH compliant.

The Beige Code I connector is typically used for Wi-Fi connections and is available for multiple cable diameters.

Features

- Optimized for automated manufacturing
- Full Series of colours available
- RF performance up to 6GHz
- Primary and Secondary Locks
- Tulip contact/ anti-stubbing
- Housing inner ring / anti-scooping
- Fully compliant to USCAR requirements

Specifications

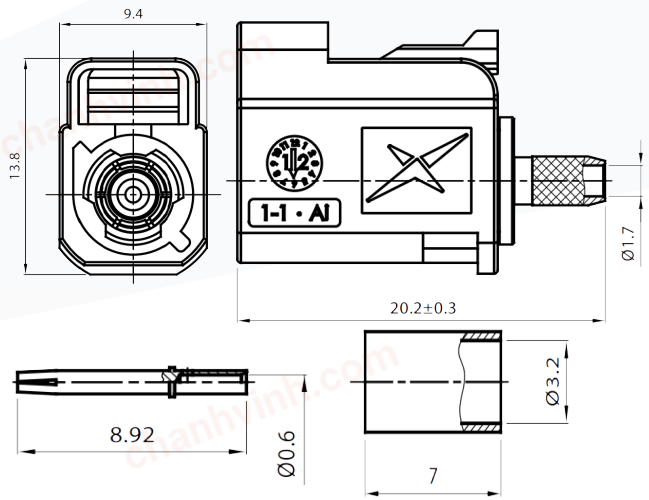
Electrical		
Impedance	50Ω Nominal	
Frequency Range	DC - 6000MHz	
VSWR (Return Loss)	0 ~ 3000MHz < 1.3	3000 ~ 6000MHz < 1.5
D.W.V	800 VRMS, Min	
Insulation Resistance	≥100MΩ	
Mechanical		
Durability	25 Cycles Min	
Insertion Force	≤25N	
Withdraw Force	≥2N	
Locking Device Strength	≥80N	
Outer Contact Rentention Force in Housing	≥100N	
Suitable Cables	RG-174, RG-316, TGC/CFD200, TGC-302, TGC-1.5DS	
Storage and Opeartional Tempeature Range	-40°C - 105°C	

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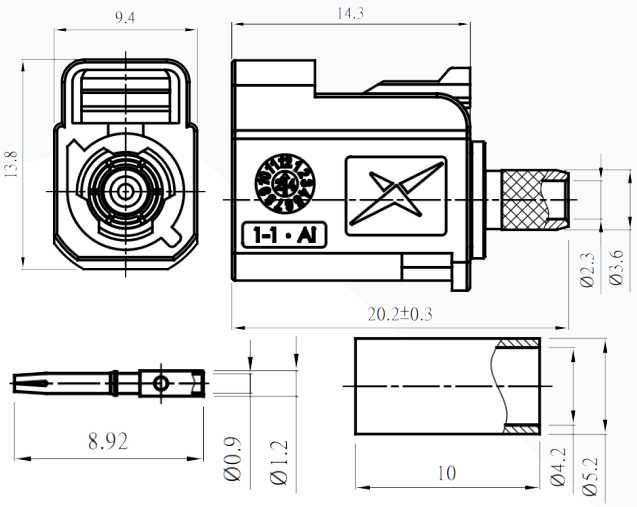
FAKRA Code I - Beige

Mechanical Drawings

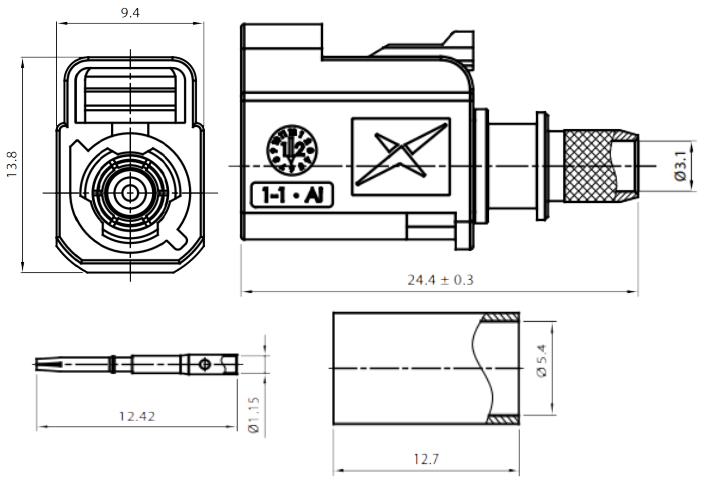
FK2FIDK - Code I Female Jack for RG-174/RG-316



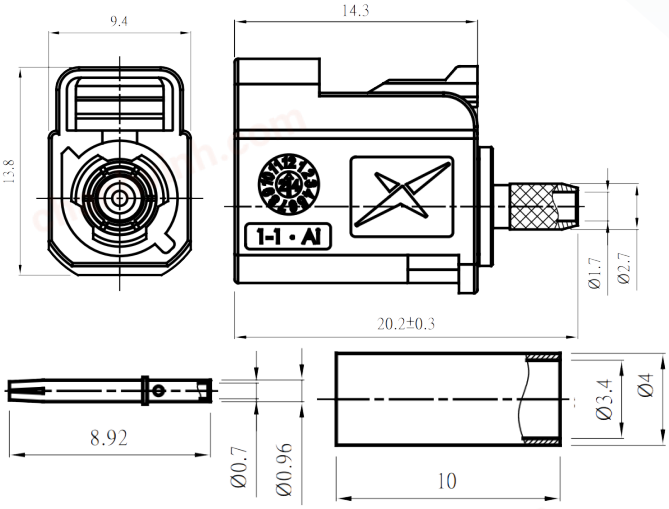
FK2FIVV - Code I Female Jack for TGC-302/RTK031



FK2FIG - Code I Female Jack for TGC/CFD200



FK2FIF - Code I Female Jack for TGC-1.5DS



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