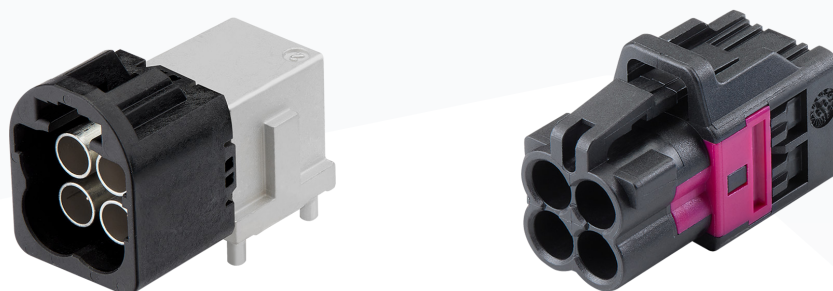# Quad FAKRA Code A Black Connector

Quad FAKRA – Code A for RG-174/RG-316/1.5DS 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 Quad 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 Black Code A connector is typically used for AM/FM connections and is available in both Jack and Plug and 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
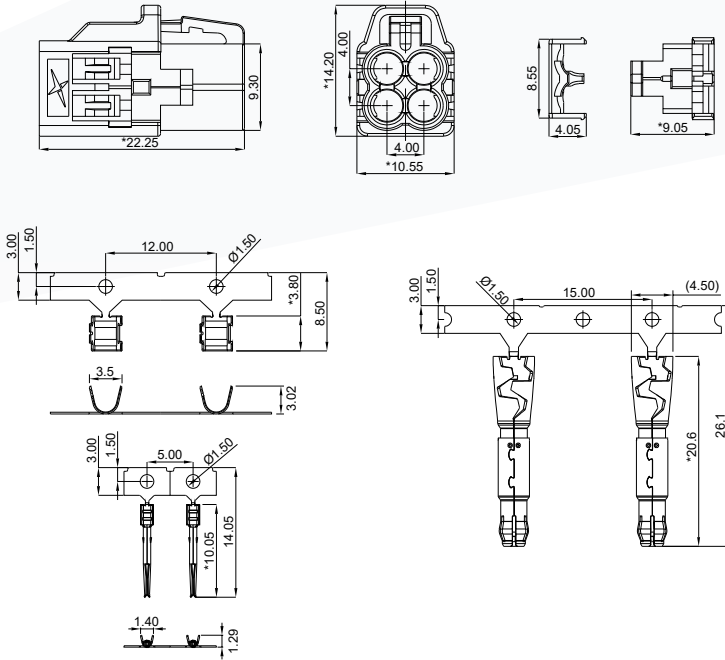- Fully compliant to USCAR requirements

## Specifications

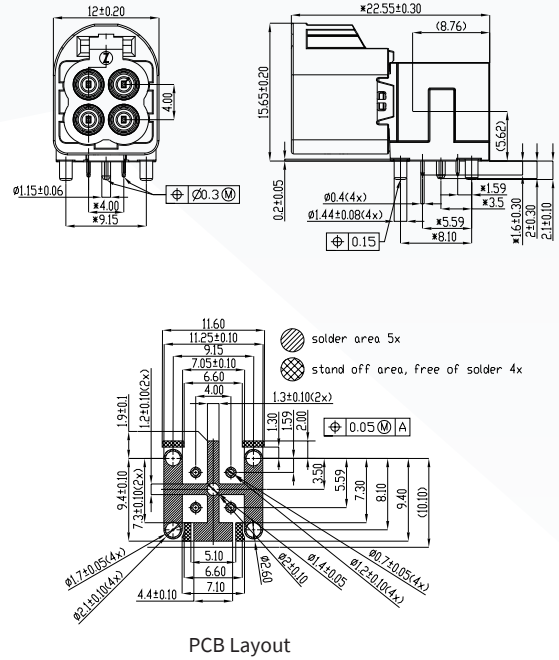| Electrical | |
|---|---|
| Impedance | 50Ω Nominal |
| Opearing Frequency | 0 ~ 9000MHz |
| **Mechanical** | |
| Insertion Force | ≤45N |
| Withdraw Force | ≥5N |
| Latch force | ≥110N |
| Mating cycle | ≥25 |
| Terminal Tensile Strength | ≥30N |
| Storage and Opeartional Tempeature Range | -40°C - 105°C |
| **Cable Range** | |
| Suitable Cables | RG-174, RG-316, 1.5DS |
| Conductor Range | 0.61mm |

# Quad FAKRA Code A - **Black**

## Mechanical Drawings

**FKQRFAF -** Code A Female Jack for RG-174/RG-316/1.5DS

**FKQRMAPCB -** Code A Male Plug for RG-174/RG-316/1.5DS

PCB Layout

solder area 5x

stand off area, free of solder 4x