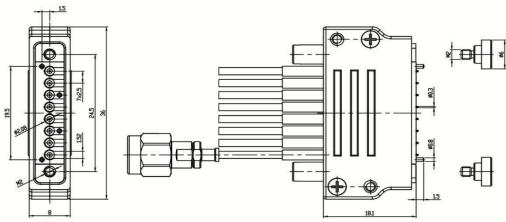
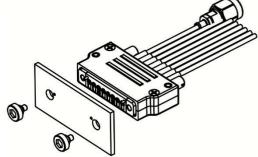
# Multi-coaxial Cable Assembly Datasheet



## **RCKL-SD08-xxxS-4YE**





## Configuration

Connector 1 Type	TSSMP-K
Connector 2 Type	2.92mm Male
Connector Body1	Aluminum Alloy/Anodizing
Connector Body2	Stainless steel (SUS303), Passivation
Cable Type	Low Loss Stable Phase
Cable Diameter	2.3mm

### **Electrical Characteristics**

Impedance	50Ω
Frequency Range	DC to 40GHz
Return Loss	<12dB
Insertion Loss	≤0.05dB/cm x Length (cm)+1.2dB, DC to 40GHz
Different cable phase Mating	±8Degree Max

## **Mechanical Properties**

Mechanical Life	2.92 Male 500 cycles, TSSMP-K 100 Cycles
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#### **Environment Data**

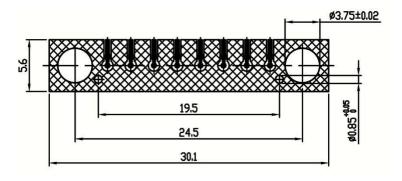
Working Temperature	-40°C to +125°C
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1/2 Rev A

# Multi-coaxial Cable Assembly Datasheet



### **PCB Layout Dimensions**



#### Notice:

The given layout is not optimized to fit all of the possible board configurations regarding RF-performance, it represents a recommendation for optimum solderability of the connector. In order to guarantee optimum high frequency properties of the connector, an RF-analysis of the connector to board translation is recommended.

#### **Order Information**

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P/N	Description
RCKL-SD08-015S-4YE	Multi-coaxial Cable Assembly, TSSMP(F) breakout to 2.92(M),1x8, DC to
	40GHz, length 15cm
RCKL-SD08-030S-4YE	Multi-coaxial Cable Assembly, TSSMP(F) breakout to 2.92(M),1x8, DC to
	40GHz, length 30cm
RCKL-SD08-xxxS-4YE	Multi-coaxial Cable Assembly, TSSMP(F) breakout to 2.92(M),1x8,DC to
	40GHz, length xxx cm

2 / 2 Rev A