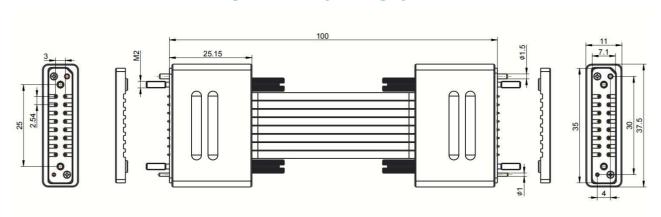
# Multi-coaxial Cable Assembly Datasheet



# RCM7-M716-xxxS-6YE



# Configuration

Connector 1 Type	SLC70 male, acc.to Dloorplf internal interface
Connector 2 Type	SLC70 male, acc.to Dloorplf internal interface
Connector Body1	Aluminum Alloy/Anodizing
Cable Type	Low Loss Stable Phase
Cable Diameter	2.3mm

### **Electrical Characteristics**

Impedance	50Ω
Frequency Range	DC to 67GHz
Return Loss	TBD
Insertion Loss	≤0.08dB/cm x Length (cm)+1.6dB, DC to 67GHz
Different Cable Phase Match	±8 Degree Max

# **Mechanical Properties**

Mechanical Life	500 cycles
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### **Environment Data**

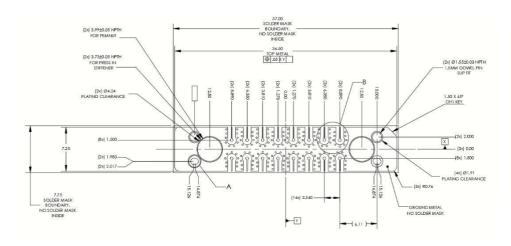
Working Temperature	-40℃ to +125℃
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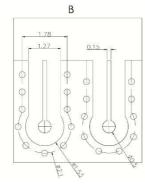
1/2 Rev A

# **Multi-coaxial Cable Assembly Datasheet**



# **PCB Layout Dimensions**





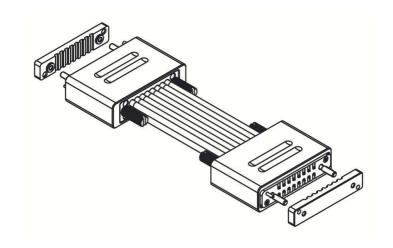
#### Notice:

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**

P/N	Description
RCM7-M716-030S-6YE	Multi-coaxial Cable Assembly, SLC70(M) breakout to SLC70(M),2x8, DC to
	67GHz, length 30cm
RCM7-M716-050S-6YE	Multi-coaxial Cable Assembly, SLC70(M) breakout to SLC70(M),2x8, DC to
	67GHz, length 50cm
RCM7-M716-xxxS-6YE	Multi-coaxial Cable Assembly, SLC70(M) breakout to SLC70(M),2x8, DC to
	67GHz, length xxx cm

### **Product 3D View**



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