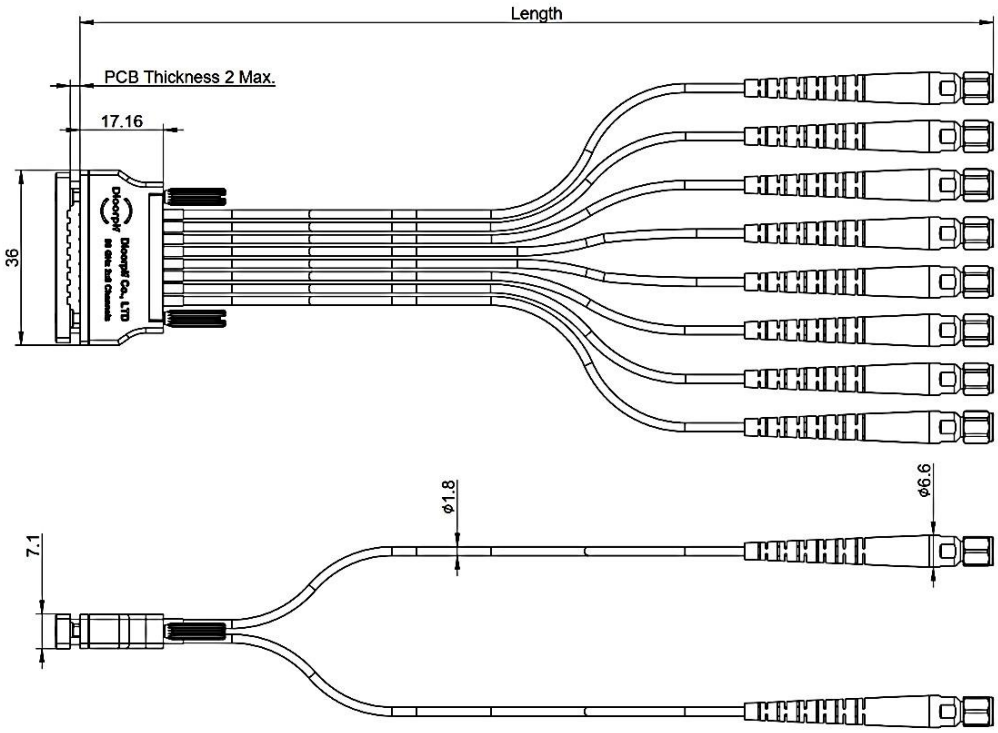
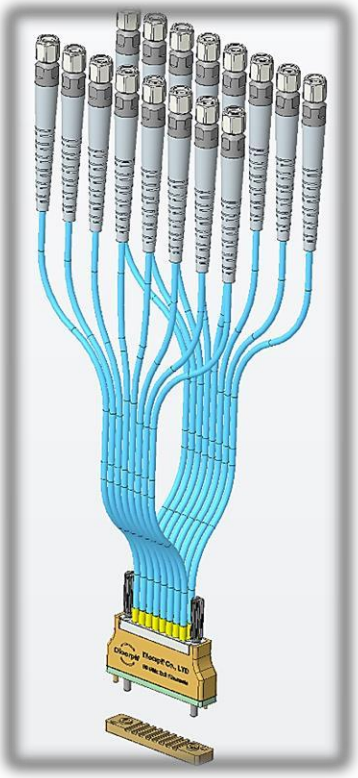
2x8 Multi-channels cable assembly
SLC90, AD series, Stripline PCB

RCA9-WM16-xxxS-9YS





*Dimensions in mm

Configuration

1x8 Multi-channels interface	SLC90, AD type, acc. to internal standard
Connector type	1.0 male
Connector Body	Aluminum Alloy/Anodizing
Cable Type	Low Loss Stable Phase
Cable Diameter	1.8 mm

Electrical Characteristics

Impedance	50Ω
Frequency Range	DC to 90 GHz
Insertion Loss	≤0.5dB+0.12 dB x L (cm), DC to 90 GHz
Return Loss	≤1.5, @ DC to 90 GHz, based on length:300cm
Phase Mating	± 8°

Mechanical Properties

Mating cycles	500 cycles

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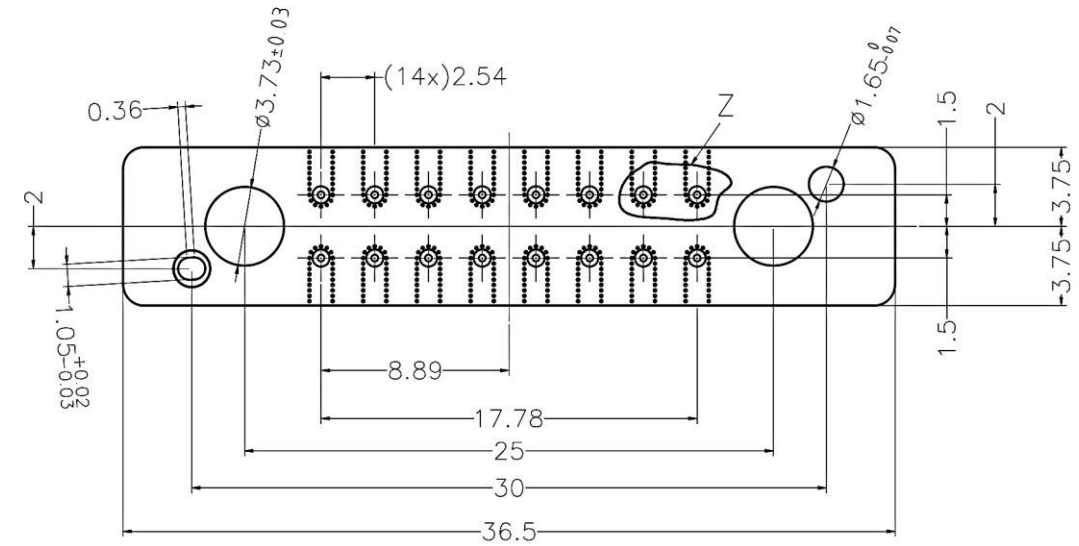
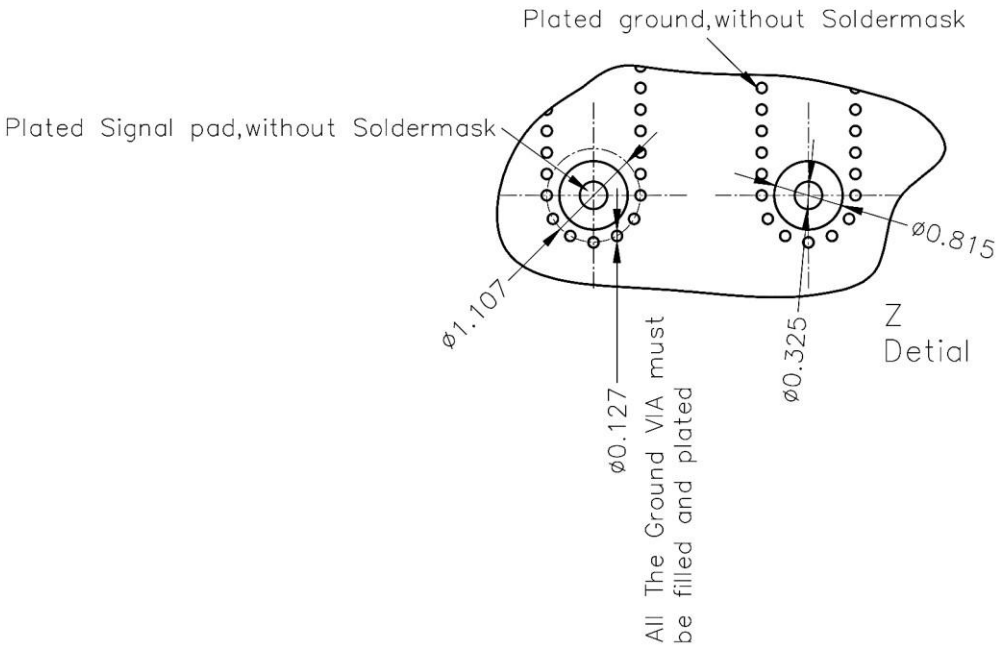
Environment Data

Working Temperature	-45℃ to ~+85℃

Recommend PCB Layout Dimensions





Notice:

The given dimensions is not optimized to fit all of the possible board configurations regarding RF-performance, it represent 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.

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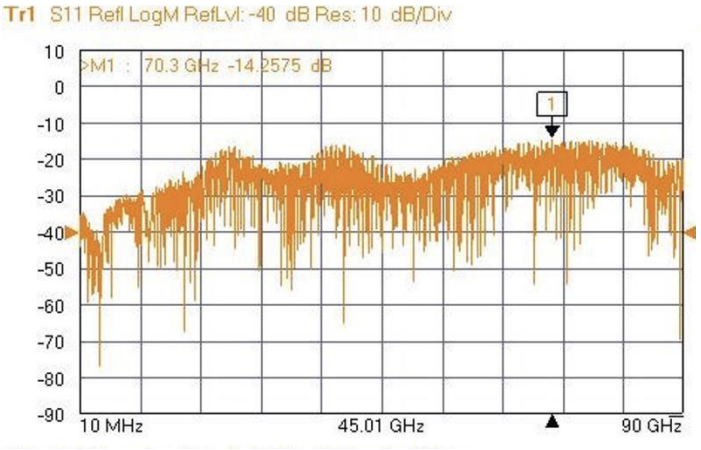
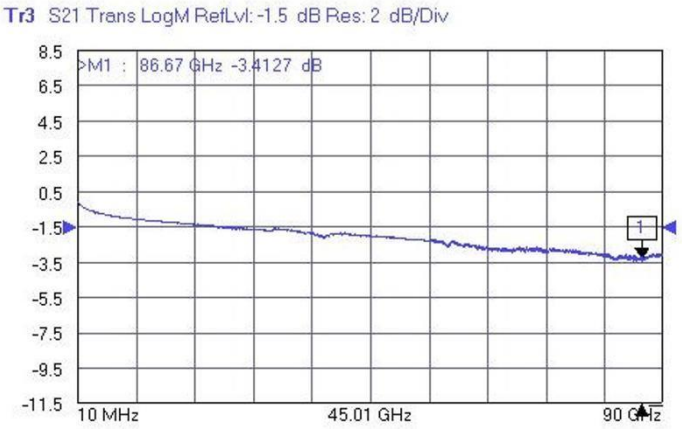
Typical RF Characteristic, 90GHz





Order Information

P/N	Description
RCA9-WM16-xxxS-9YS	SLC 90 AD series, 2x8 Multi-channels to 1.0 Male, DC to 90 GHz, Footprint Type: Stripline, Length xxx cm
RCA9-WM16-015S-9YS	SLC 90 AD series, 2x8 Multi-channels to 1.0 Male, DC to 90 GHz, Footprint Type: Stripline, Length 15 cm
RCA9-WM16-030S-9YS	SLC 90 AD series, 2x8 Multi-channels to 1.0 Male, DC to 90 GHz, Footprint Type: Stripline, Length 30 cm