

# COAXIAL CONNECTOR

Short Profile  
CCON-2.92F-40-ED-SS



Supported by  
TACTRON ELEKTRONIK  
GmbH & Co. KG

## Specifications

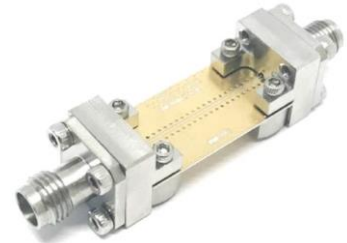
### Electrical

Nominal Impedance	50Ω
Frequency Range	DC to 40GHz
VSWR	1.40:1 max.

### Mechanical

Connector Type	2.92mm-female
Construction Form	Straight / Edge Mount / Screwed (Short Profile)
Board Thickness	variable
Material Body	Stainless Steel
Material Center Contact	Beryllium Copper, Gold Plated

**Model Number** CCON-2.92F-40-ED-SS

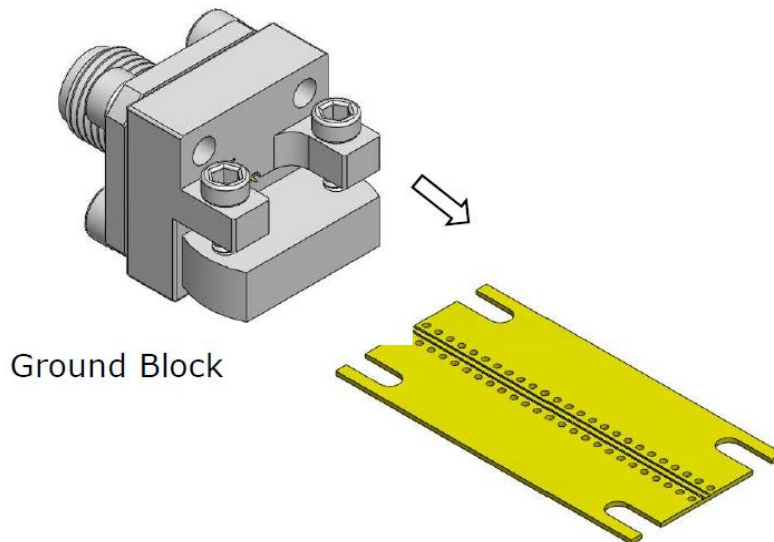


- GCPWG, Top Ground Microstrip structure
- easy installation on designed substrate
- no soldering required

## Installation Procedure

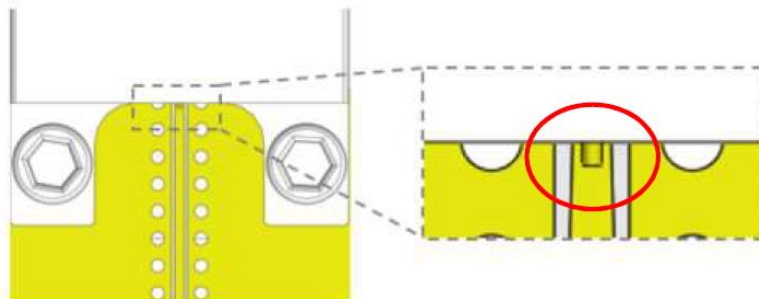
### Step 1

Insert end launch connector (including block & screws) in the edge position of substrate



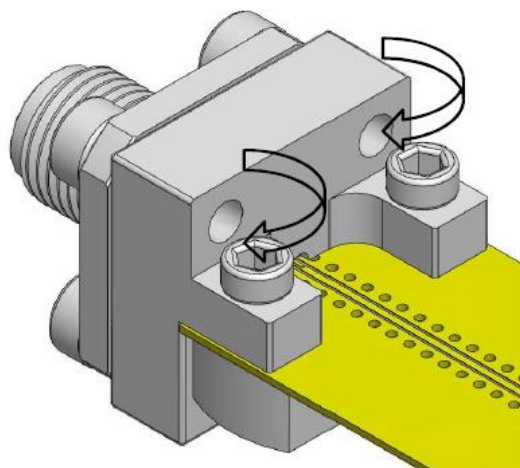
### Step 2

Ensure the pin is centered on the trace



### Step 3

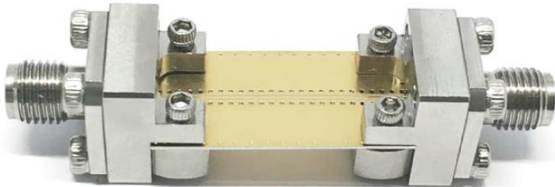
Ensure the block is tight against the substrate



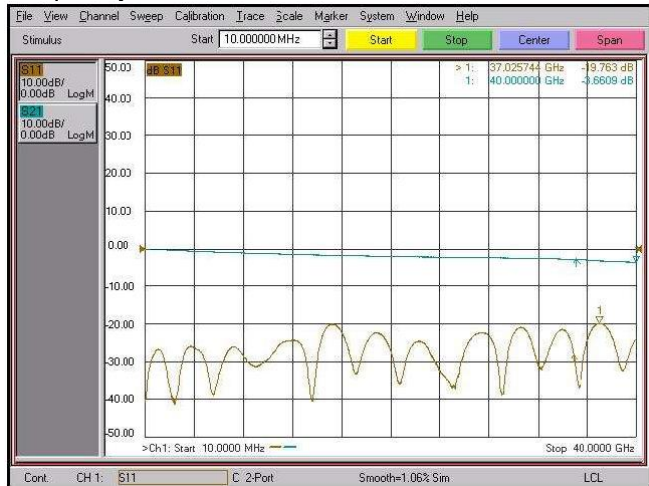
**Test Results (with Substrate length 1 inch (25.4mm))**

**GCPWG Structure**

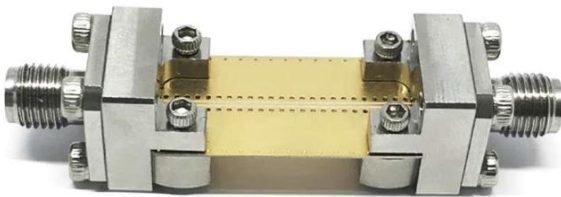
RO4003C (8mil)



Frequency 10MHz to 40GHz



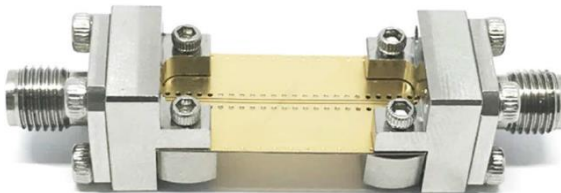
RO4350B (10mil)



Frequency 10MHz to 40GHz



Duroid 5880 (5mil)

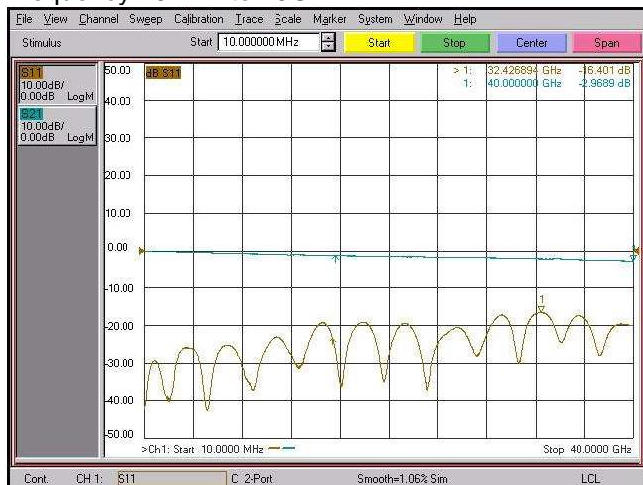


Frequency 10MHz to 40GHz

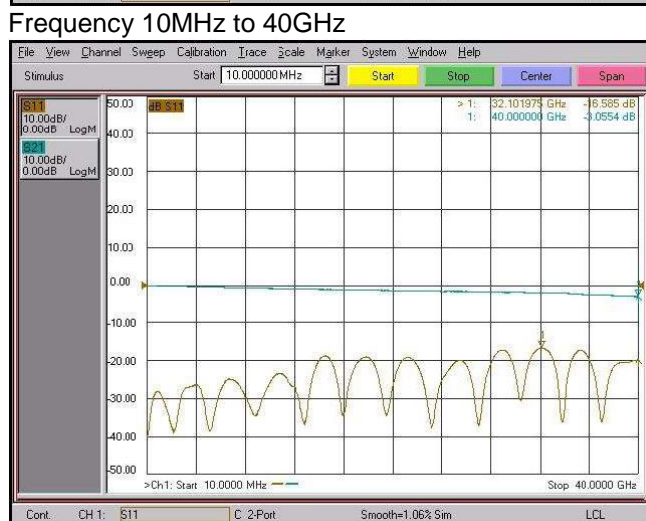
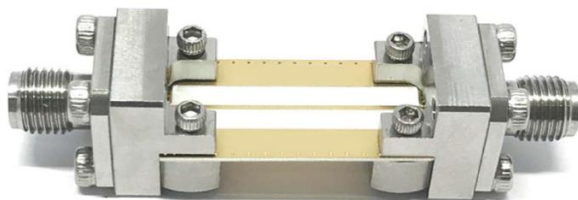


**Top Ground Microstrip**  
**Frequency 10MHz to 40GHz**

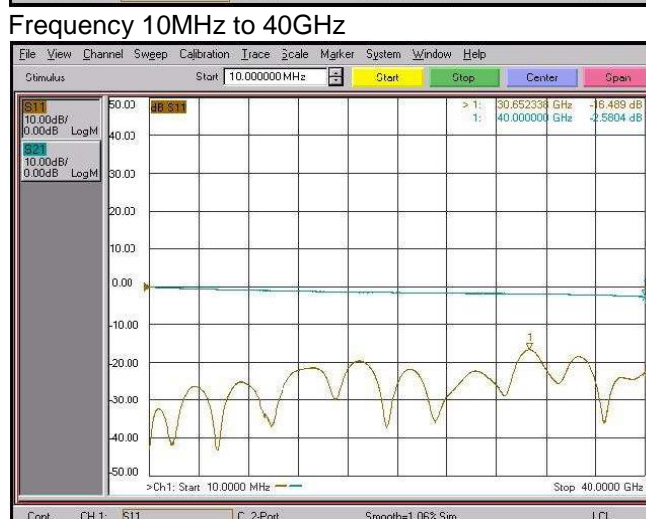
RO4003C (8mil)



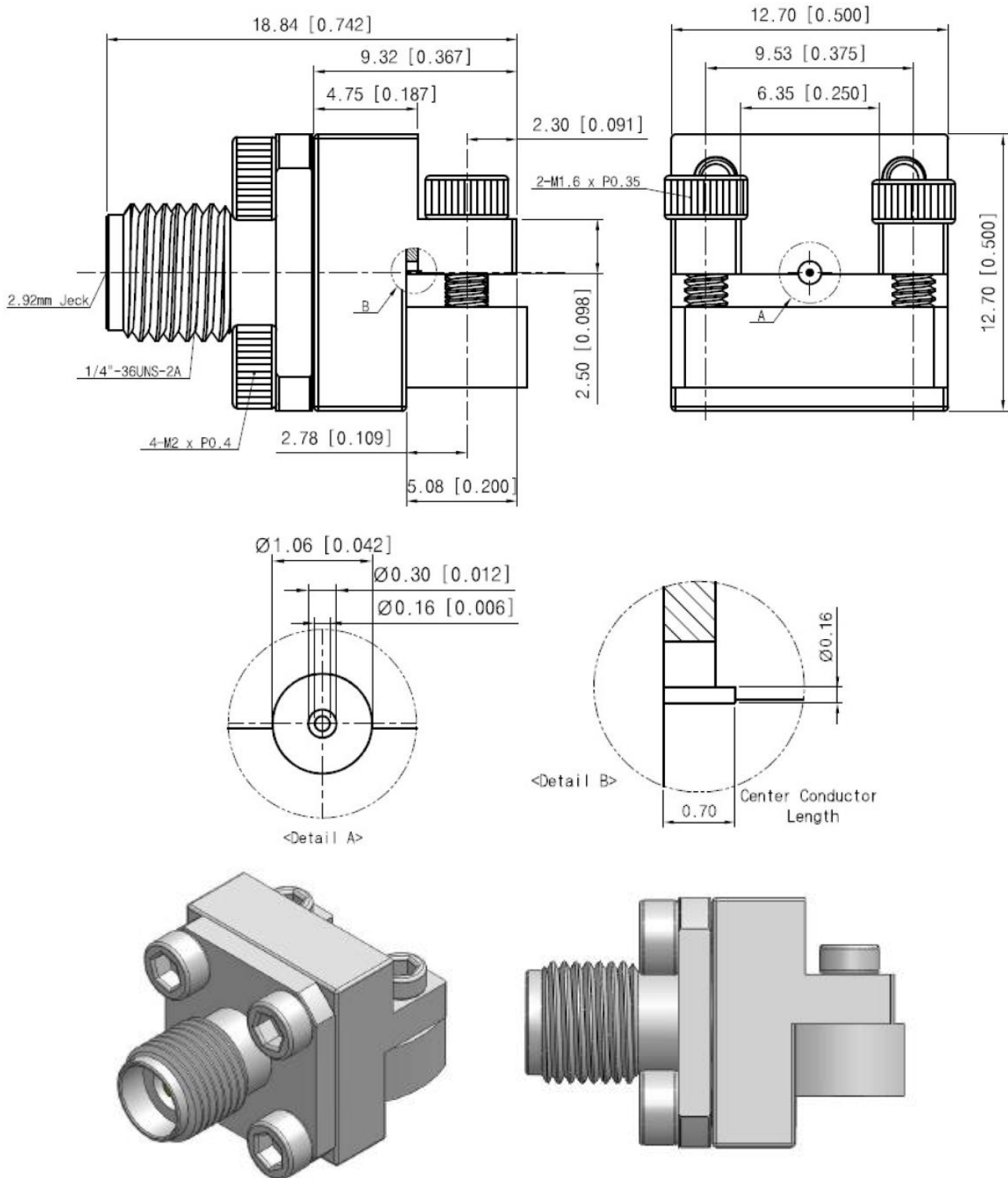
RO4350B (10mil)



Duroid 5880 (5mil)



## Outline

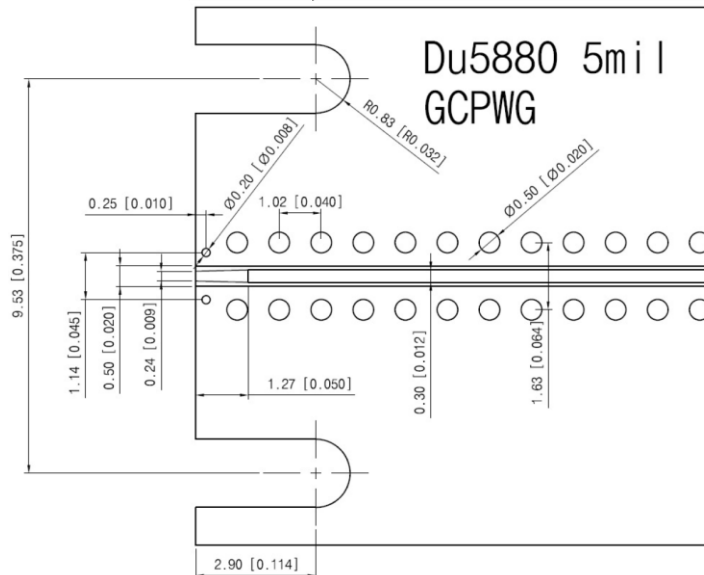
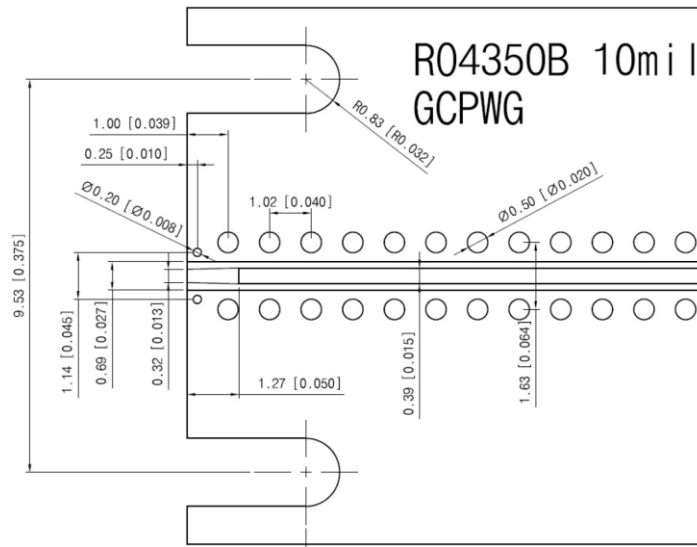
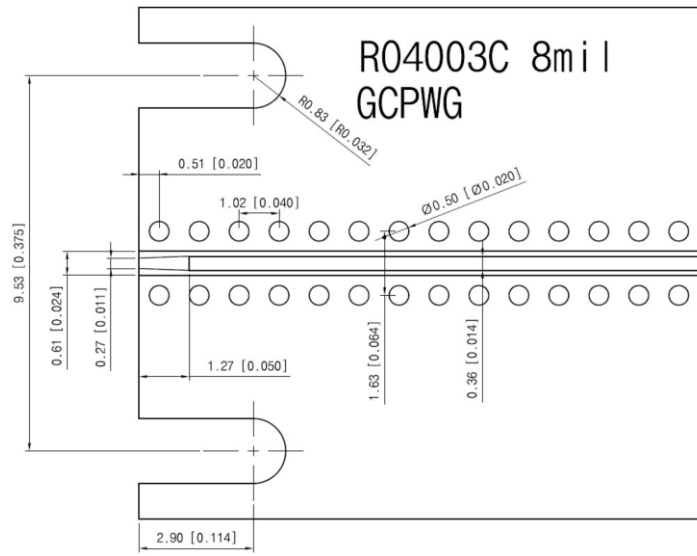


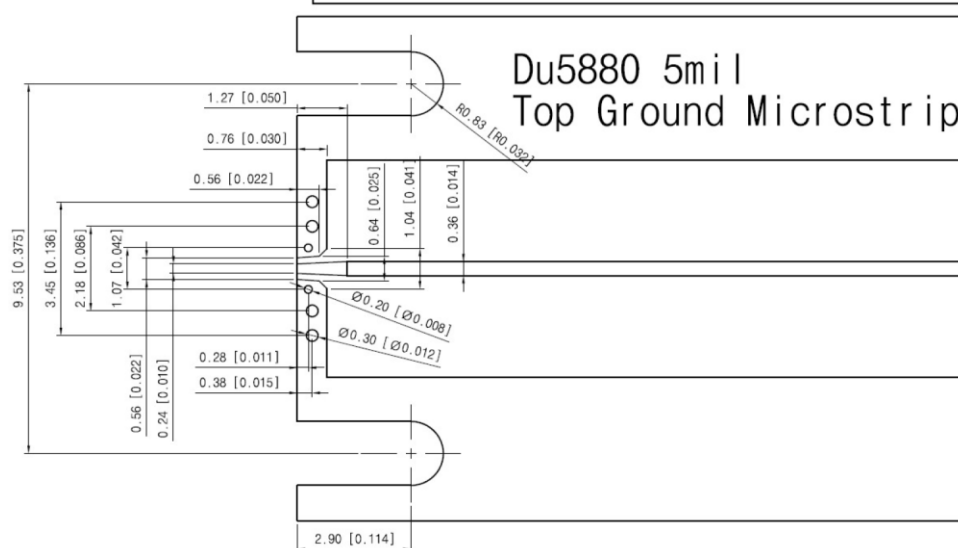
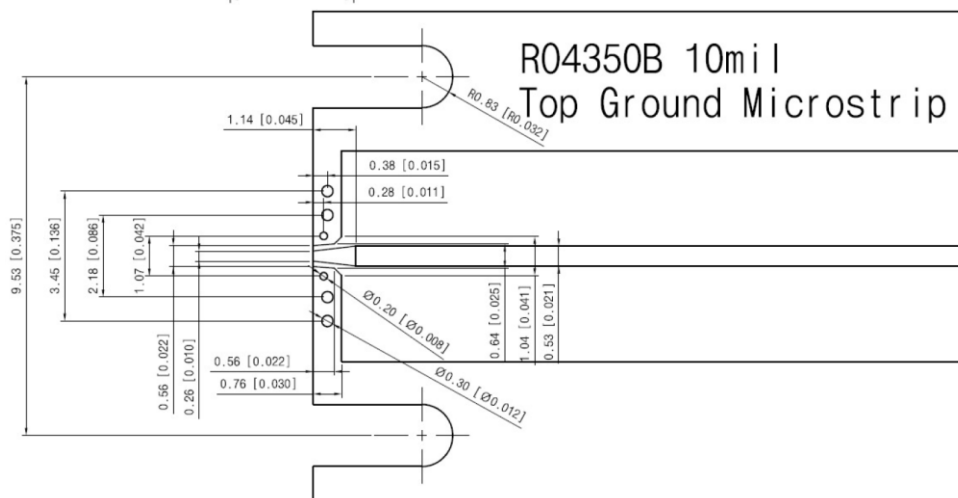
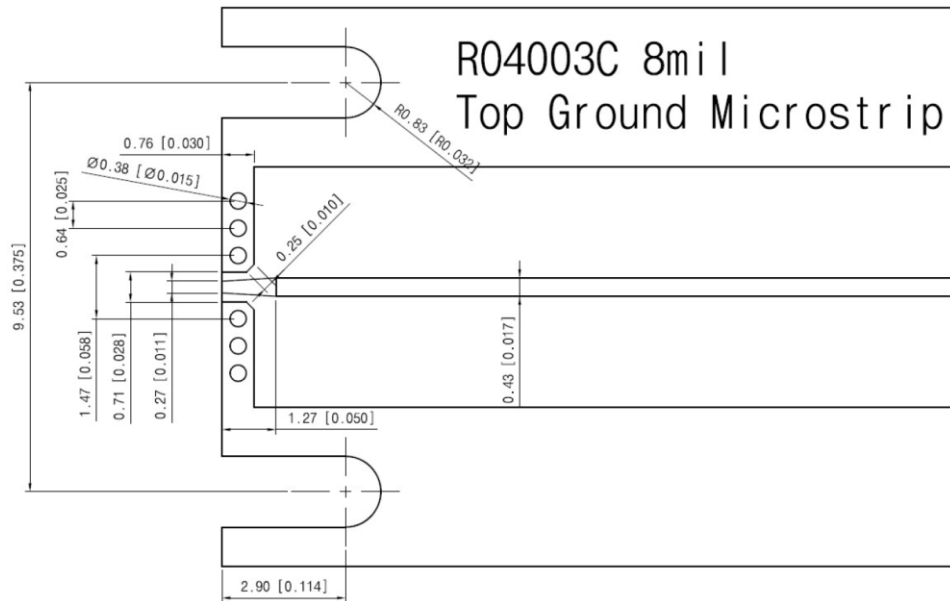
## Notes:

- Dimensions in mm [inches]
- Dimensions Tolerance  $\pm 2\%$
- All specifications are subject to change without prior notice.
- RoHS Compliant



PCB Layout







Model Number Selection:

**CCON-Xx-Z-X**

CCON = Coaxial Connector

Xx = Connector Type

Z = Frequency

X = Special Option: 90° = Right Angle

P = Precision

B = Bulkhead

2HP = 2Hole-Panel

4HP = 4Hole-Panel

LPIM = Low PIM

Q = Quick Connect

PCB = Through Holes

EL = PCB End Launch

ED = PCB Edge Mount

SMT = SMT

FD = Full Detent / LD = Limited Detent / SB = Smooth Bore