Preliminary Specification of COAXIAL CONNECTOR
Preliminary SPEC No. : NMM04-PT0044G
Part Number : MXFQB1PY1000
SPECIFICATION

Written by T. Namaizawa
Checked by T. Kuriyama
Date 29/Aug./2019

Revised A:29/Aug./'19 NM B:16/Dec./'19 YM C:16/Mar./'20 NM D:5/Jun./'20 NM E:13/Jan./'21 YM F:27/Jan./'21 NM G:14/Nov./'25 XL

1. MECHANICAL

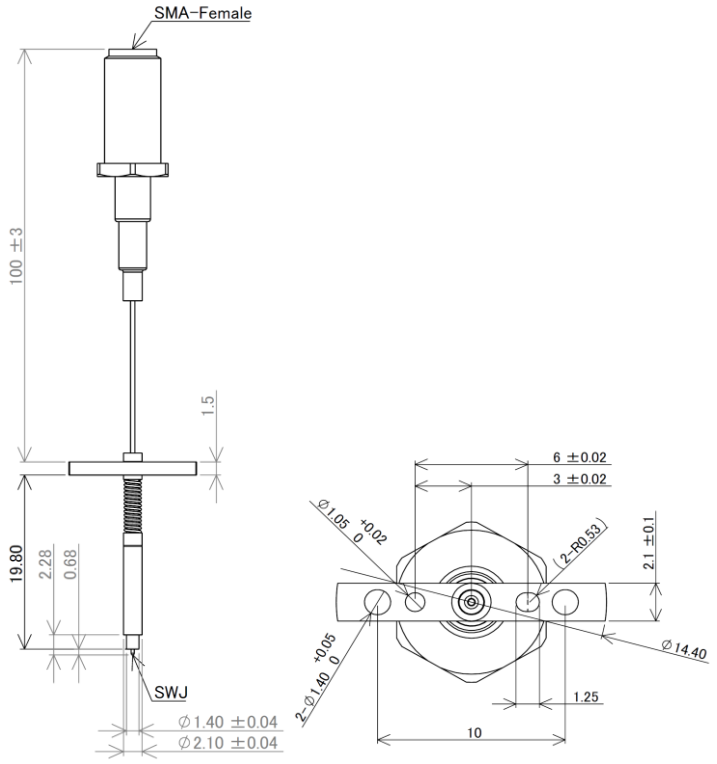
G>E>

Automatic measurement probe for SWJ.

MM126714 and MM126712 are used as calibration adapter.

SOP of this probe setting in the fixture is VG19-SOP-MM047.

F>D>



Enclosed attachment : Mounting Nut···1pc
Lock Washer···1pc

Scale: Free
Tolerance Unless Otherwise Specified: +/-0.2
Unit: mm

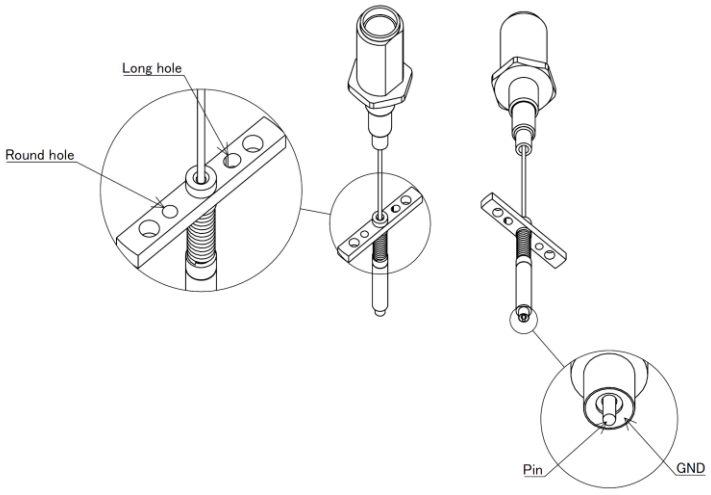


Figure 1 Construction

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2. RATING:

Item	Specification
Voltage Rating	30Vr.m.s. maximum
Nominal Frequency Range	DC to 9GHz
Nominal Impedance	50Ω
Temperature Rating	25°C +/- 15°C
Insulation Resistance	500 MΩ minimum
Withstanding Voltage	No evidence of break down in AC200Vr.m.s, 1minute
Initial Contact Resistance (without conductor resistance)	70mΩ max.
D>C>B> Voltage Standing Wave Ratio (V.S.W.R.)	1.35 max. (DC to 3GHz) 1.45 max. (3GHz to 6GHz) 1.50 max. (6GHz to 9GHz)
C>B> Insertion Ioss	1.2dB max. (DC to 3GHz) 1.7dB max. (3GHz to 6GHz) 2.4dB max. (6GHz to 9GHz)
A> Durability	1M cycles

C>3. USE THIS PRODUCTS

The tolerance of position against SWJ.
Probe has centering function by itself, +/-0.28(Typical) mm is permitted against the hole center of SWJ.
Please avoid needless force to SMA-Female connector to come back the original position when disengaging the probe.
The engagement stroke from the bottom surface of flange to the tip of probe is 17.8mm to 18.8mm. (FIGURE2).

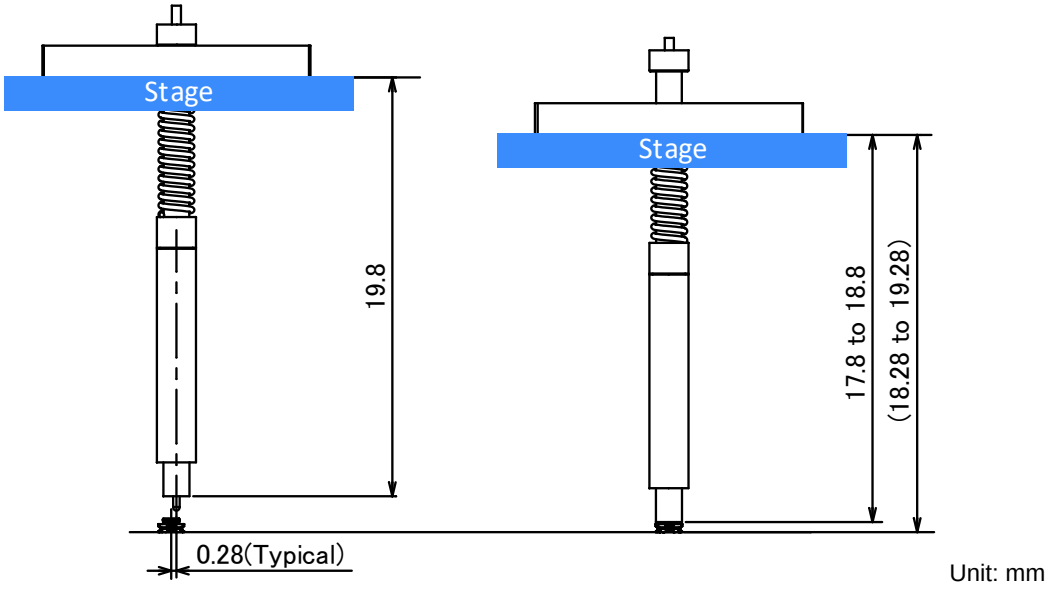
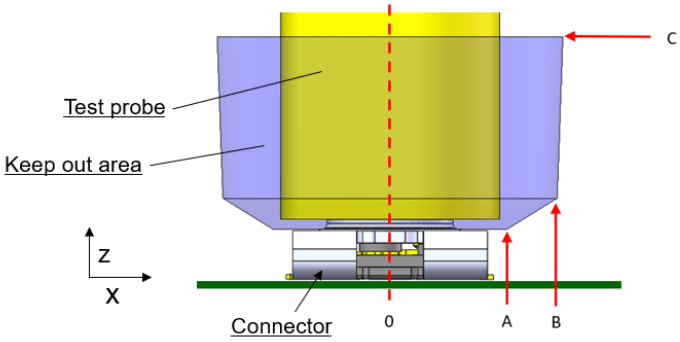


Figure.2 Acceptable engagement range to SWJ

4. Keep out area of test probe
>G
Following is keep out area of test probe tip. Please do not put any parts or devices in that area in order to ensure proper alignment.



Keep out coordinates from connector center

	MXFQB1PY1000	
	x	z
A	0.66	0.40
B	0.95	0.60
C	1	2.00

Unit: mm

Figure.3. Keep out area of test probe