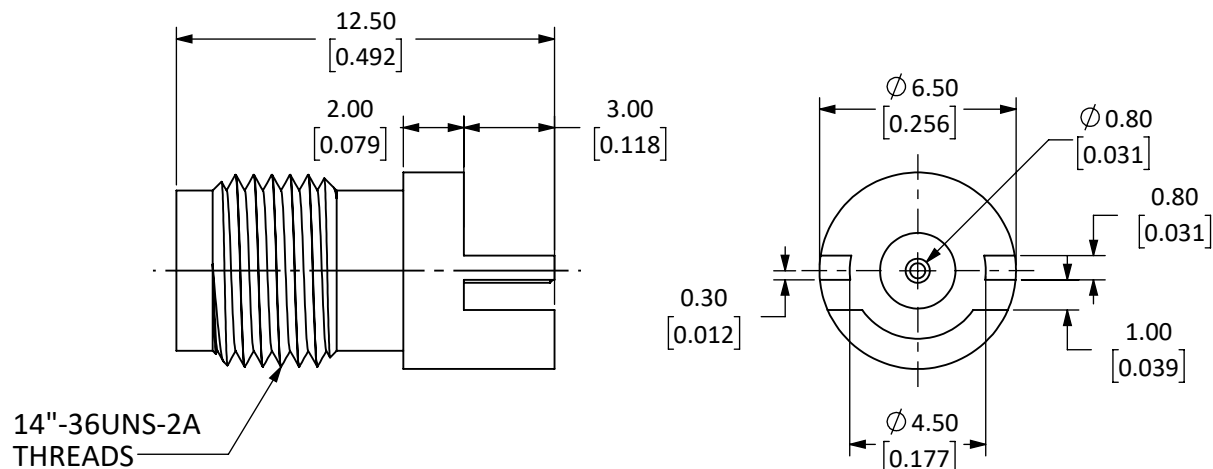


Connector: SMA Jack (Female Socket)		
Body Style	PCB Edge Mount	
Connector Part	Material	Finish
Body	Brass	Gold
Center Contact	Socket: BeCu	Gold
Insulator	PTFE	-

REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	INITIAL RELEASE OF SOLID MODEL.	CLL	6-FEB-20



NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
2. DIMENSIONS APPLY AFTER FINISHING.
3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE, USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
4. SAFETY BREAK ALL SHARP CORNERS AND EDGES 0.5 MAXIMUM.
5. SEE TABLE I FOR ELECTRICAL SPECIFICATIONS. (SHEET 2)
6. SEE TABLE II FOR ENVIRONMENTAL SPECIFICATIONS. (SHEET 2)
7. SEE TABLE III FOR MECHANICAL SPECIFICATIONS. (SHEET 2)

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MATERIAL:	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5. .X ± .5 .XX ± .20 .XXX ± .050	PROJECTION: ANGLES: ±1° SURFACE: √
FINISH:	DRAWN: M. SCHULTE ENGR: D. VARATHARAJAN	DT: 22-JAN-20 DATE: 6-FEB-20



159 ORT LANE
MERLIN, OR 97532

TITLE:
**SMA FEMALE EDGE MOUNT
FOR 0.031" BOARD, GOLD**

SIZE	DWG. NO.	REV
A	C-CON SMA023.031	A
SCALE: 4:1	DO NOT SCALE DRAWING	SHEET 1 OF 2



SCALE 1 : 1

5 TABLE I

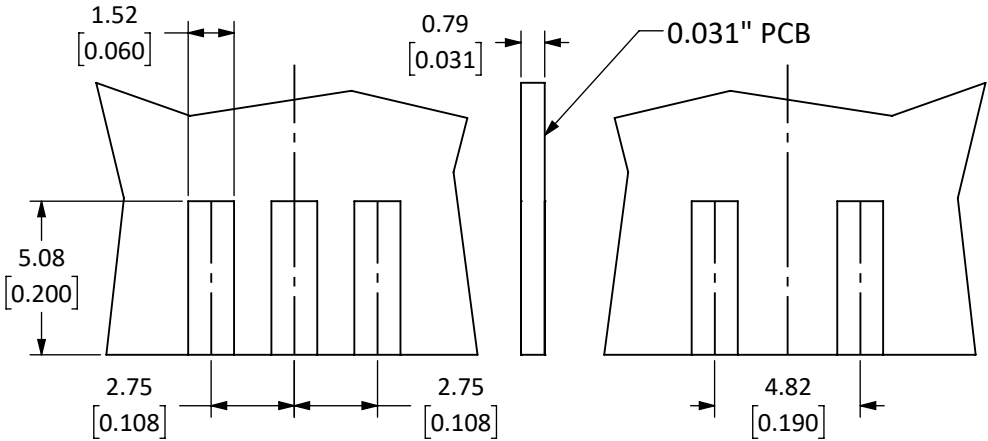
Electrical Data	Detail
Impedance	50 Ω
Frequency Range	0 to 26.5 GHz
Insulation Resistance	$\geq 5000 \text{ M}\Omega$
Voltage Rating	1000 V RMS
Contact Resistance	Center $\leq 2.0 \text{ m}\Omega$ Outer: $\leq 2.0 \text{ m}\Omega$
VSWR	≤ 1.2 @ 18 GHz to 26.5 GHz

6 TABLE II

Environmental Data	Detail
Corrosion (Salt Spray)	MIL-STD-202 METHOD 101 TEST CONDITION B
Thermal Shock	MIL-STD-202 METHOD 107 TEST CONDITION B
Vibration	MIL-STD-202 METHOD 204 TEST CONDITION D
Mechanical Shock	MIL-STD-202 METHOD 213 TEST CONDITION I
Temperature Range	-65 °C to +165 °C
Environmental Compliance	ROHS

7 TABLE III

Mechanical Data	Detail
Mounting Type	PCB Edge Mount
Fastening Type	1/4"-36UNS-2A Threaded Coupling
Recommended Torque	0.57 N.m (5 in.lbs)
Coupling Nut Retention	60 lbs min.
Connector Durability	500 cycles min.
Weight	1.4 g (0.05 oz)



TOP

BOTTOM

RECOMMENDED FOOTPRINT

SIZE	DWG. NO.	REV
A	CONSMA023.031-G	A
SCALE: 4:1	DO NOT SCALE DRAWING	SHEET 2 OF 2

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