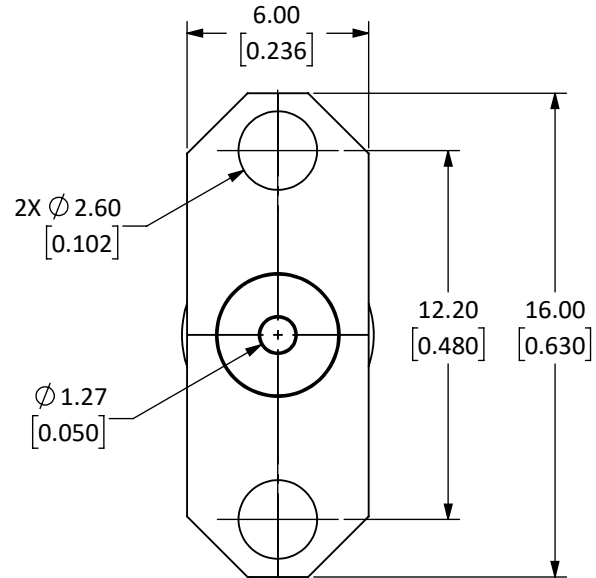
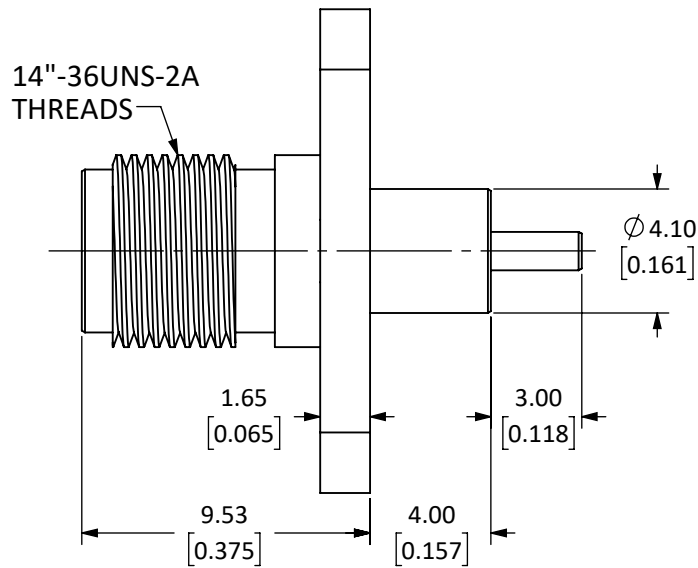


Connector: SMA Jack (Female Socket)		
Body Style	PCB Flange Mount	
Connector Part	Material	Finish
Body	Brass	Gold
Center Contact	Socket: BeCu	Gold
Insulator	PTFE	-

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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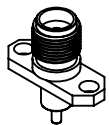
159 ORT LANE
MERLIN, OR 97532

MATERIAL:	INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.	PROJECTION:
	X \pm .1 .XX \pm .01 .XXX \pm .005	
FINISH:	DRAWN: M. SCHULTE	DT: 15-JAN-20
	ENGR: D. VARATHARAJAN	DATE: 6-FEB-20

TITLE:
**SMA FEMALE FLANGE MOUNT,
GOLD**

SIZE	DWG. NO.	REV
A	C-CON SMA018-4-G	A

SCALE: 4:1 DO NOT SCALE DRAWING SHEET 1 OF 2



SCALE 1 : 1

5 TABLE I

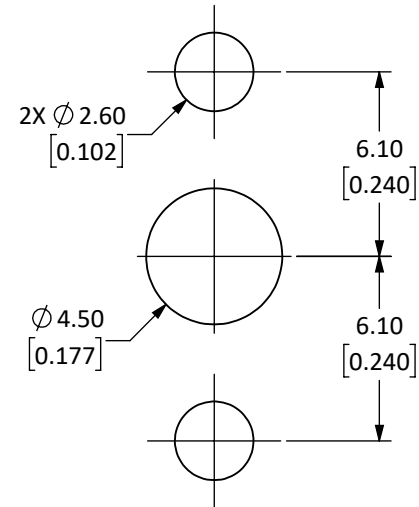
Electrical Data	Detail
Impedance	50 Ω
Frequency Range	0 to 18 GHz
Insulation Resistance	$\geq 1000 \text{ M}\Omega$
Voltage Rating	1500 V RMS
Contact Resistance	Center $\leq 5.0 \text{ m}\Omega$ Outer: $\leq 2.5 \text{ m}\Omega$
VSWR	$\leq 1.2 @ 6 \text{ GHz}$

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	-55 $^{\circ}\text{C}$ to +155 $^{\circ}\text{C}$
Environmental Compliance	ROHS

7 TABLE III

Mechanical Data	Detail
Mounting Type	Panel 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	2.1 g (0.07 oz)



RECOMMENDED MOUNTING HOLES

SIZE	DWG. NO.	REV
A	CON SMA018-4-G	A
SCALE: 4:1	DO NOT SCALE DRAWING	SHEET 2 OF 2