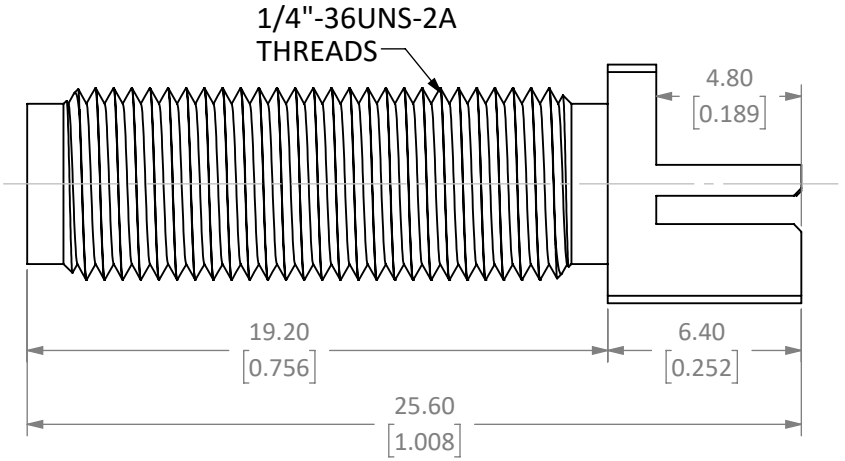
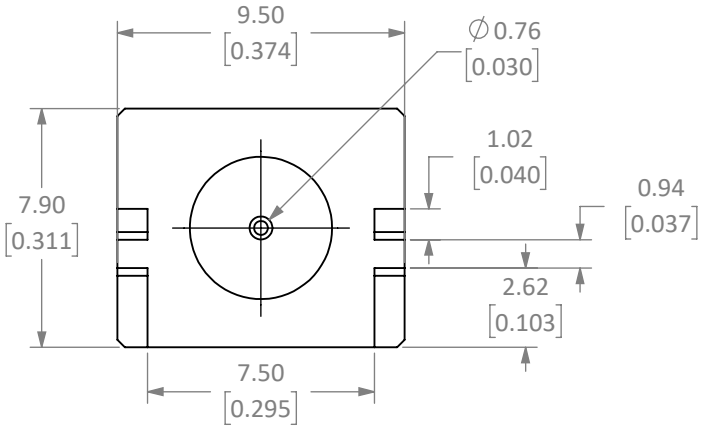
Connector: SMA Jack (Female Socket)			
Termination: PCB Board Edge, End Launch; Panel Mount			
Part Number		CONSMA003.031-L	CONSMA003.031-L-G
Connector Part	Material	Finish	Finish
Bodies	Body: Brass	Nickel	Gold
	Washer: Brass	Nickel	Gold
	Nut: Brass	Nickel	Gold
Center Contact	Socket: Be Cu	Gold	Gold
Insulator	PTFE	–	–

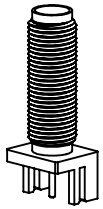
REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	INITIAL RELEASE OF LINX INTERNAL DRAWING	01/MAR/19	CLL



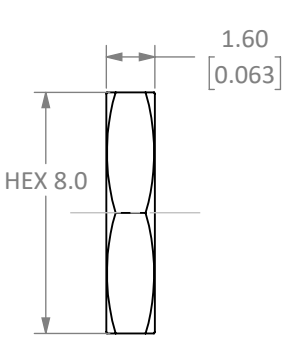


NOTES: (UNLESS OTHERWISE SPECIFIED)

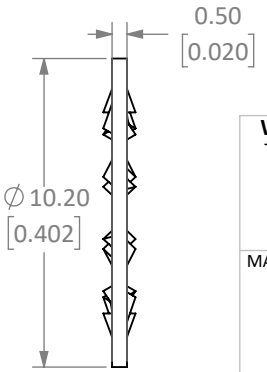
1. ALL DIMENSIONS ARE IN mm [INCHES].
2. DIMENSIONS APPLY AFTER FINISHING.
3. MANUFACTURE TO BE COMPLIANT WITH EU RoHS DIRECTIVE, USE MATERIALS THAT DO NOT CONTAIN REACH SUBSTANCES OF VERY HIGH CONCERN >1000ppm, AND USE DRC CONFLICT-FREE SOURCED MATERIALS.
4. SAFETY BREAK ALL SHARP CORNERS AND EDGES 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)
8. SEE PARTSLIST. "*" INDICATES FINISH TYPE.



SCALE 1 : 1



NUT



WASHER

MATERIAL:

INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5.

.X ±.1
.XX ±.01
.XXX ±.005

ANGLES: ±1°

SURFACE: 32

PROJECTION:

FINISH:

DRAWN: M. SCHULTE DT: 21/JAN/19

ENGR: DV DT: 08/MAR/19

159 ORT LANE
MERLIN, OR 97532

TITLE:

SMA FEMALE EDGE MOUNT FOR 0.031" THICK BOARD, EXTENDED

SIZE	DWG. NO.	REV
A	C-CONSMA003.031-L-X	A

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

5 TABLE I

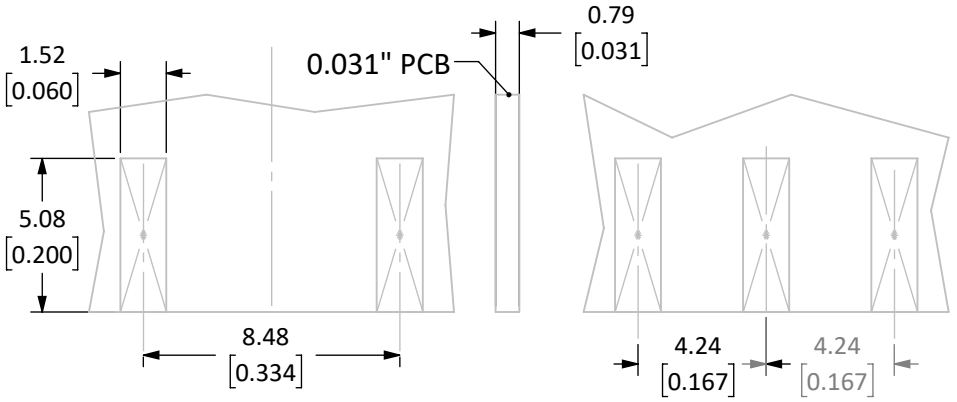
Electrical Data	Detail	
	CONSMA003.031-L	CONSMA003.031-L-G
Impedance	50 Ω	50 Ω
Frequency Range	0 to 18 GHz	0 to 18 GHz
Insulation Resistance	5 000 M Ω min.	5 000 M Ω min.
Voltage Rating	1 000 V RMS	500 V RMS
Contact Resistance	Center: ≤ 3.0 m Ω Outer: ≤ 2.5 m Ω	Center: ≤ 2.0 m Ω Outer: ≤ 2.0 m Ω
VSWR	–	≤ 1.2 : 1 @ 6 GHz

6 TABLE II

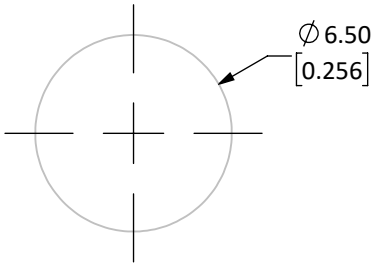
Environmental Data	Detail
Corrosion (Salt spray)	ASTM B-117
Thermal Shock	MIL-STD-202 Method 107 test condition B
Vibration	MIL-STD-202 Method 204 test condition D
Mechanical Shock	MIL-STD-202 Method 213 test condition I
Temperature Range	-65 °C to +165 °C
Environmental Compliance	RoHS

7 TABLE III

Mechanical Data	Detail
Mounting Type	PCB Board Edge, End Launch; Panel Mount
Fastening Type	1/4"-36 Threaded Coupling
Interface In Accordance With	MIL-STD 348A
Recommended Torque	0.57 N·m (5.0 in·lbs)
Coupling Nut Retention	60 lbs. min.
Connector Durability	500 cycles min.
Weight	4.2 g (0.15 oz)



RECOMMENDED FOOTPRINT



RECOMMENDED MOUNTING HOLE

SIZE	DWG. NO.	REV
A	CONSMA003.031-L-*	A
SCALE: 4:1	DO NOT SCALE DRAWING	SHEET 2 OF 2