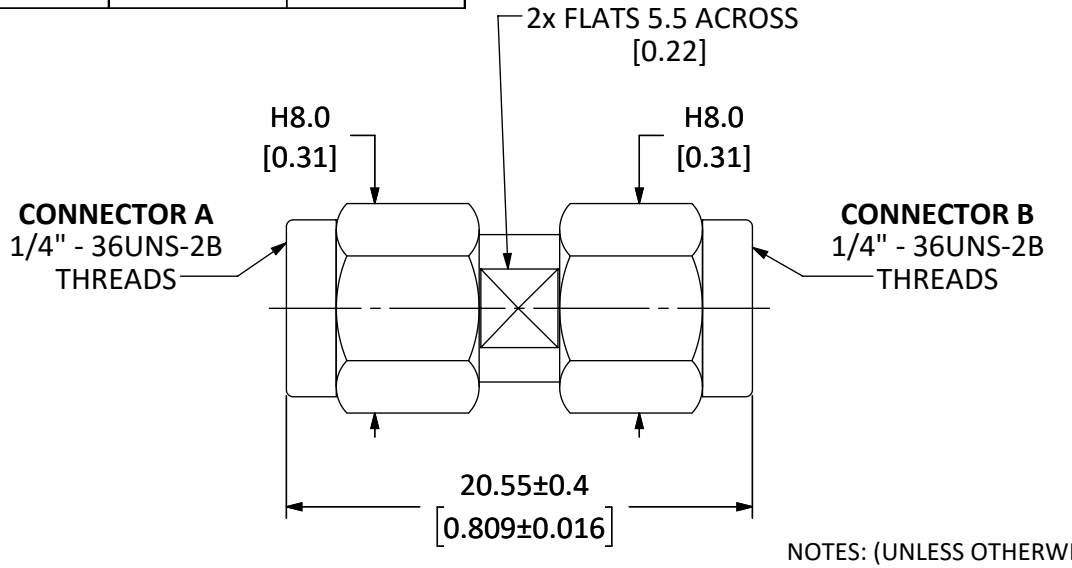
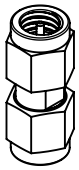
Connector A: SMA Plug (Male Pin)				
Connector B: SMA Plug (Male Pin)				
Body Style	Straight			
	Connector A		Connector B	
Connector Part	Material	Finish	Material	Finish
Body	Brass	Gold	Brass	Gold
Shell	Brass	Gold	Brass	Gold
Center Contact	Brass	Gold	Brass	Gold
Insulator	PTFE	–	PTFE	–
Washer	Steel	–	Steel	–
Gasket	Silicone Rubber	–	Silicone Rubber	–

REVISIONS			
REV	DESCRIPTION	DATE	APPV
A	INITIAL RELEASE OF LINX INTERNAL DRAWING	9/OCT/17	CLL
B	ADDED ADDITIONAL SPECIFICATIONS TABLES	17/JAN/19	SH



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)



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159 ORT LANE
MERLIN, OR 97532

MATERIAL:

FINISH:

TOLERANCES:
0.50 [.020]-5.00 [.200]= ±0.20 [.008]
5.00 [.200]-30.00 [1.200]= ±0.40 [.016]
30.0 [1.20]-120.0 [4.75]= ±0.60 [0.24]
120.0 [4.75]-315.0 [12.40]= ±1.0 [.040]

PROJECTION:

ANGLES: ±1°

DRAWN: M. SCHULTE DT: 30/OCT/18

ENGR: D. VARATHARAJAN DT: 17/JAN/19

TITLE:
ADAPTER, SMA PLUG (MALE PIN) TO SMA PLUG (MALE PIN), GOLD

SIZE	DWG. NO.	REV
A	ADP-SMAM-SMAM-G	B

SCALE: 3:1 DO NOT SCALE DRAWING SHEET 1 OF 2

5 TABLE I

Electrical Data	**Detail**	
Impedance	50 Ω	
Frequency Range	0 to 18 GHz	
VSWR	≤ 1.22 : 1	
Insulation Resistance	5 000 MΩ min.	
Voltage Rating	750 V RMS	
	Connector A	Connector B
Contact Resistance, Center	2.0 mΩ max.	2.0 mΩ max.
Contact Resistance, Outer	2.0 mΩ max.	2.0 mΩ max.
Insertion Loss	0.06 dB max. x √f GHz	0.06 dB max. x √f GHz
RF Leakage	-60 dB min. @ 3 GHz	-60 dB min. @ 3 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	Free Hanging (In-Line)	
Interface In Accordance With	MIL-STD 348A	
Weight	4.9 g (0.2 oz)	
	Connector A	Connector B
Fastening Type	1/4"-36 Threaded Coupling	1/4"-36 Threaded Coupling
Recommended Torque	0.9 N·m (8 in·lbs)	0.9 N·m (8 in·lbs)
Coupling Nut Retention	60 lbs. min.	60 lbs. min.
Connector Durability	500 cycles min.	500 cycles min.