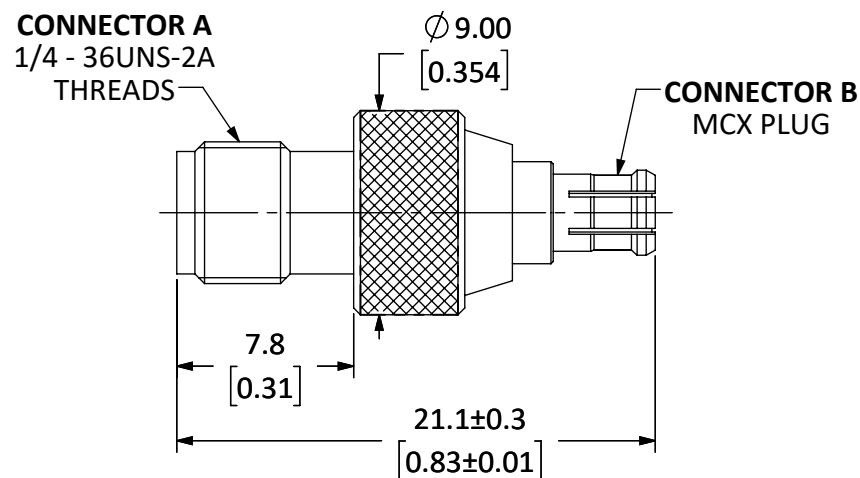



Connector A: SMA Jack (Female Socket)				
Connector B: MCX Plug (Male Pin)				
Body Style	Straight			
	Connector A		Connector B	
Connector Part	Material	Finish	Material	Finish
Body	Brass	Gold	Be Cu	Gold
Center Contact	Be Cu	Gold	Be Cu	Gold
Insulator	PTFE	-	PTFE	-

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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MATERIAL:	TOLERANCES: 0.50 [0.020]-5.00 [0.200]=±0.20 [0.008] 5.00 [0.200]-30.00 [1.200]=±0.40 [0.016] 30.0 [1.200]-120.0 [4.75]=±0.60 [0.24] 120.0 [4.75]-315.0 [12.40]=±1.0 [0.040]	PROJECTION:  ANGLES: ±1°
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FINISH:	DRAWN: M. SCHULTE	DT: 30/OCT/18
	ENGR: D. VARATHARAJAN	DT: 17/JAN/19

**Linx** 159 ORT LANE  
MERLIN, OR 97532

TITLE:  
**ADAPTER, SMA JACK (FEMALE SOCKET)  
TO MCX PLUG (MALE PIN)**

SIZE	DWG. NO.	REV
<b>A</b>	<b>ADP-SMAF-MCXM</b>	<b>B</b>
SCALE: 3:1	DO NOT SCALE DRAWING	SHEET 1 OF 2



**5** TABLE I

Electrical Data	Detail	
Impedance	50 $\Omega$	
Frequency Range	0 to 6 GHz	
VSWR	$\leq 1.3 : 1$	
Insulation Resistance	5 000 M $\Omega$ min.	
Voltage Rating	250 V RMS	
	Connector A	Connector B
Contact Resistance, Center	5.0 m $\Omega$ max.	5.0 m $\Omega$ max.
Contact Resistance, Outer	1.0 m $\Omega$ max.	1.0 m $\Omega$ max.
Insertion Loss	0.06 dB max. x $\sqrt{f}$ GHz	0.15 dB max.
RF Leakage	-60 dB min. @ 3 GHz	-60 dB min.

**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 & CECC 22220	
Weight	3.7 g (0.13 oz)	
	Connector A	Connector B
Fastening Type	1/4"-36 Threaded Coupling	"Push-Pull" Snap-on Coupling
Recommended Torque	0.9 N·m (8 in·lbs)	–
Coupling Nut Retention	60 lbs. min.	–
Connector Durability	500 cycles min.	500 cycles min.

SIZE	DWG. NO.	REV
<b>A</b>	<b>ADP-SMAF-MCXM</b>	<b>B</b>
SCALE: 1:1	DO NOT SCALE DRAWING	SHEET 2 OF 2

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