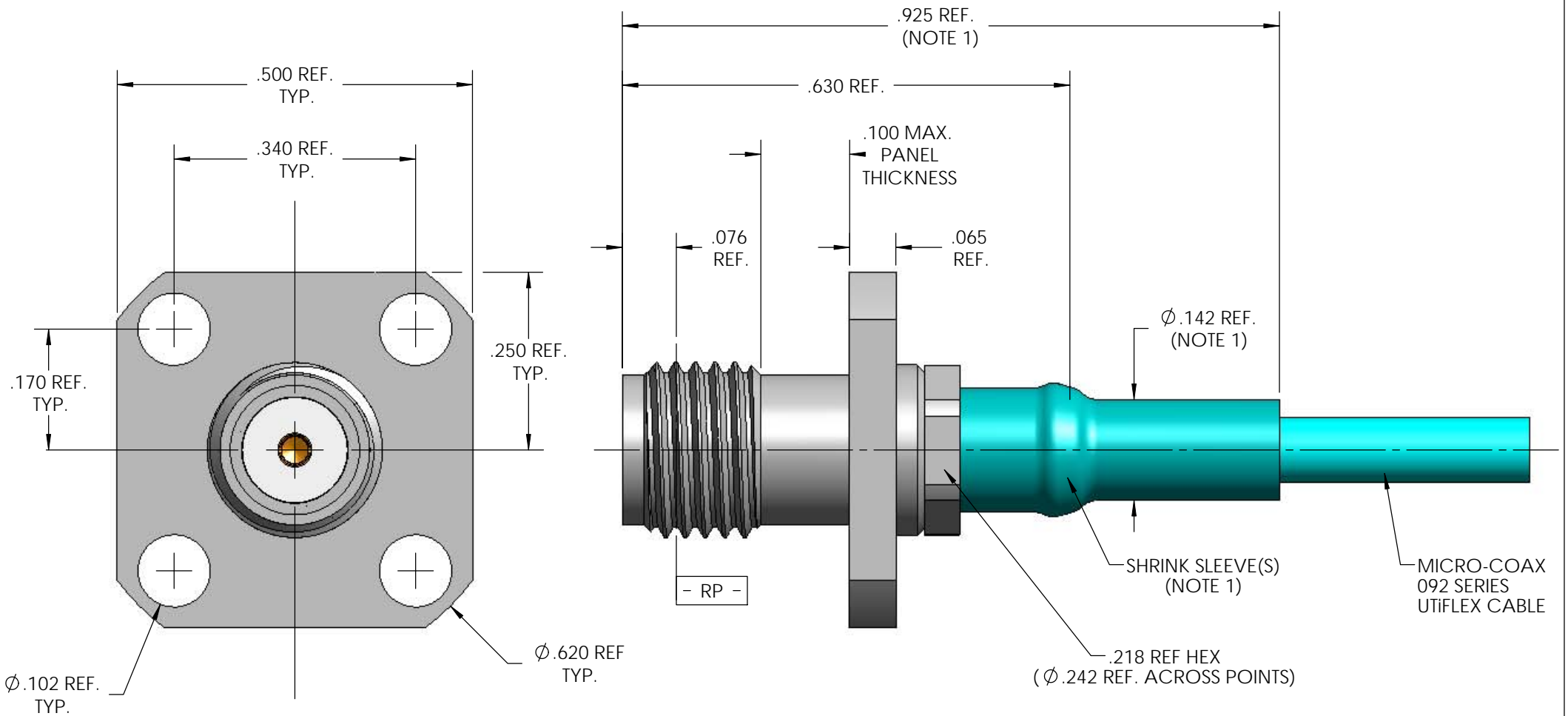


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 310-2
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/57 REF.
RECOMMENDED MATING TORQUE	9 IN-LBS. NOM.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	6 LBS. MIN.
CENTER CONTACT INSERTION (FROM CABLE)	2 LBS. MAX
CENTER CONTACT WITHDRAW (FROM CABLE)	1 Oz. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	3.24 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB MIN.
CORONA	190 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	325 Vrms MIN.
CONTACT RESISTANCE (INNER)	3.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65 °C TO 165 °C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MOISTURE RESISTANT	MIL-STD-202, METHOD 106, EXCEPT STEP 7B
MATERIALS AND FINISH	
FORWARD BODY	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER SAE-AMS-2700
REAR BODY	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710
APPLICATION	
CABLE(S)	092 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

***THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL***

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE	3/1/2005	SRS	TAM	-
2	ECO145018	1/15/2014	CCF	RS	MJM
3	MAX. PANEL THICKNESS DIM. ADDED	4/8/2014	NDS	RS	RS



NOTE:

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
2. THREAD LOCKER IS USED ON THIS CONNECTOR.

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		DWN.	CCF	1/15/14						
		CHKD.	MJM	1/17/14						
		APPVD.								
TOLERANCES UNLESS OTHERWISE SPECIFIED		TITLE								
		SMA JACK, 4-HOLE FLANGE, 092 SERIES CABLE								
.XX	± .02	ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO.  64639	SIZE  B	SCALE  5:1	SHEET NO.  1 OF 1	DRAWING NO.  SD903138	REV  3	
.XXX	± .005									
.XXXX	± .0010									
ANGLES	±2°									