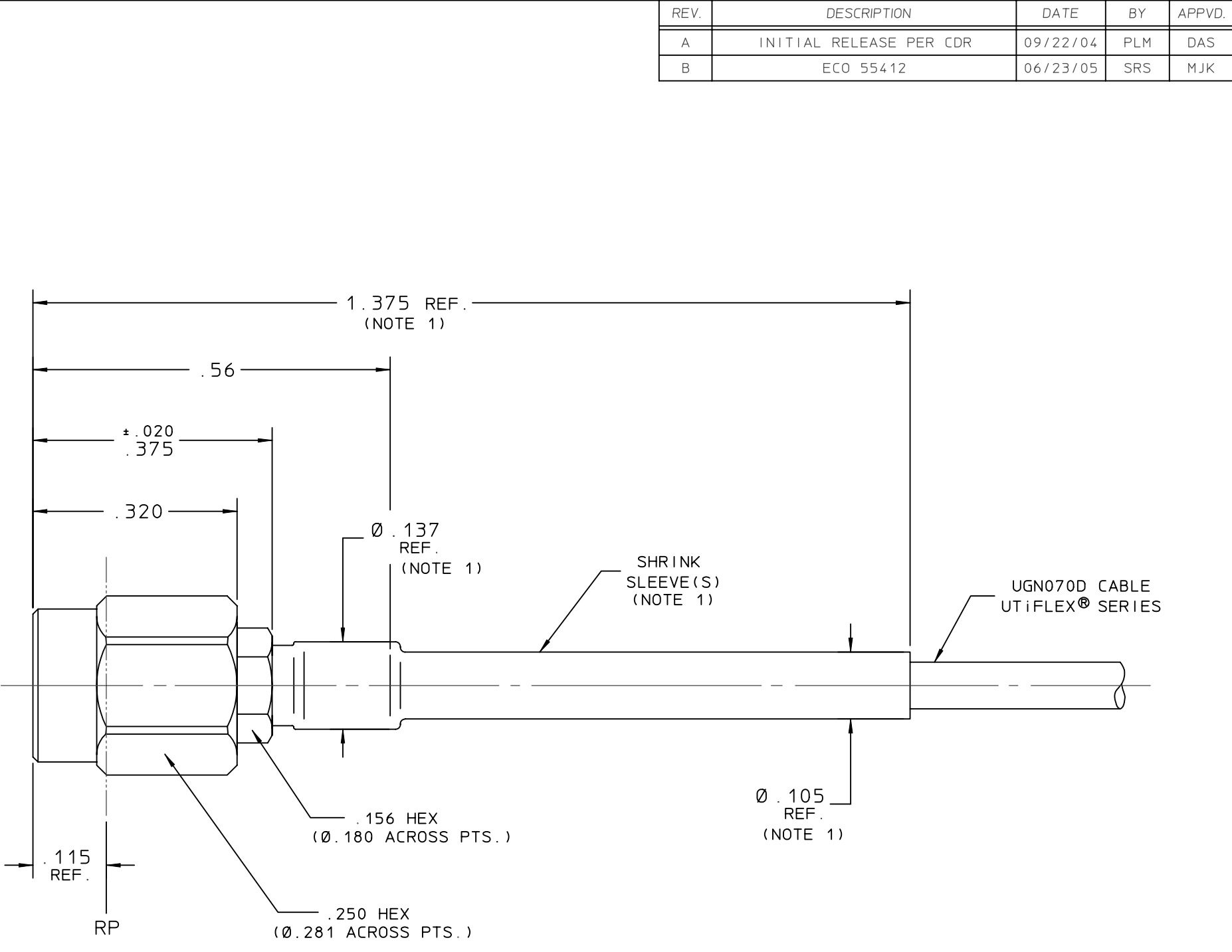


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIG. 319-1
RECOMMENDED MATING TORQUE	5 IN-LBS. NOM
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	4 LBS. MIN.
CABLE RETENTION	10 LBS. MIN.
MASS	1.45 grams NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.12:1 MAX.
12.4 - 18 GHz	1.16:1 MAX.
INSERTION LOSS	0.03 $\sqrt{F}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 32.0 GHz.	-90 dB MIN.
CORONA (70,000 FT.)	125 Vrms MIN.
RF HIGH POTENTIAL (5 MHz)	325 Vrms. MIN.
CONTACT RESISTANCE (INNER)	4 Milliohms MAX.
CONTACT RESISTANCE (OUTER)	2 Milliohms MAX.
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C to +150°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 B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIAL AND FINISH	
BODY & CONTACT	BERYLLIUM COPPER, UNS NO. C17300, PER ASTM-B-196. GOLD PLATE PER MIL-G-45204, 50 MICROINCHES MIN., OVER NICKEL PLATE PER QQ-N-290, 50 MICROINCHES MIN.
COUPLING NUT	STEEL, CORROSION RESISTANT, CONDITION A, NON-MAGNETIC PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967.
SNAP RING	BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197.
GASKET	SILICONE RUBBER PER ZZ-R-765.
INSULATOR	TFE FLUOROCARBON PER ASTM-D-1710.
DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC PEI0113 (ULTEM 1000) PER ASTM-D-5205
APPLICATION	
CABLE(S)	UGN070D
INSTALLATION	AI-1486



NOTE :

1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

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	DWN.	MJK	08/05/02							
	CHKD.									
	APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED	TITLE									
SSMA PLUG , UGN070D 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. SD903679	REV B
.XXX	± .005									
.XXXX	± .0010									
ANGLES	± 2°									