

MECHANICAL CHARACTERISTICS	
TYPE N JACK INTERFACE	MIL-STD-348, FIG. 304-2
RECOMMENDED MATING CONNECTOR TORQUE	20-25 IN-LBS. NOM
COUPLING PROOF TORQUE	NOT APPLICABLE.
COUPLING NUT RETENTION	NOT APPLICABLE.
FORCE TO ENGAGE (LONGITUDINAL FORCE)	NOT APPLICABLE.
FORCE TO ENGAGE & DISENGAGE	6 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
CONTACT RETENTION (AXIAL)	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION (NON-OPERATIONAL)	75 LBS. MIN.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms. NOM.
FREQUENCY RANGE	DC TO 18 GHz
VSWR DC - 12.4 GHz	1.12:1 MAX.
12.4 - 18.0 GHz	1.16:1 MAX.
INSERTION LOSS	0.04 $\sqrt{F(\text{GHz})}$ dB MAX.
VOLTAGE RATING (SEA LEVEL)	1000 Vrms MAX.
VOLTAGE RATING (70,000 FT.)	250 Vrms MAX.
DIELECTRIC WITHSTANDING VOLTAGE	2500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - TBD GHz.	-90 dB MIN.
CORONA LEVEL (70,000 FT.)	500 Vrms MIN.
RF HIGH POTENTIAL (5 TO 7.5 MHz)	1500 Vrms. MIN.

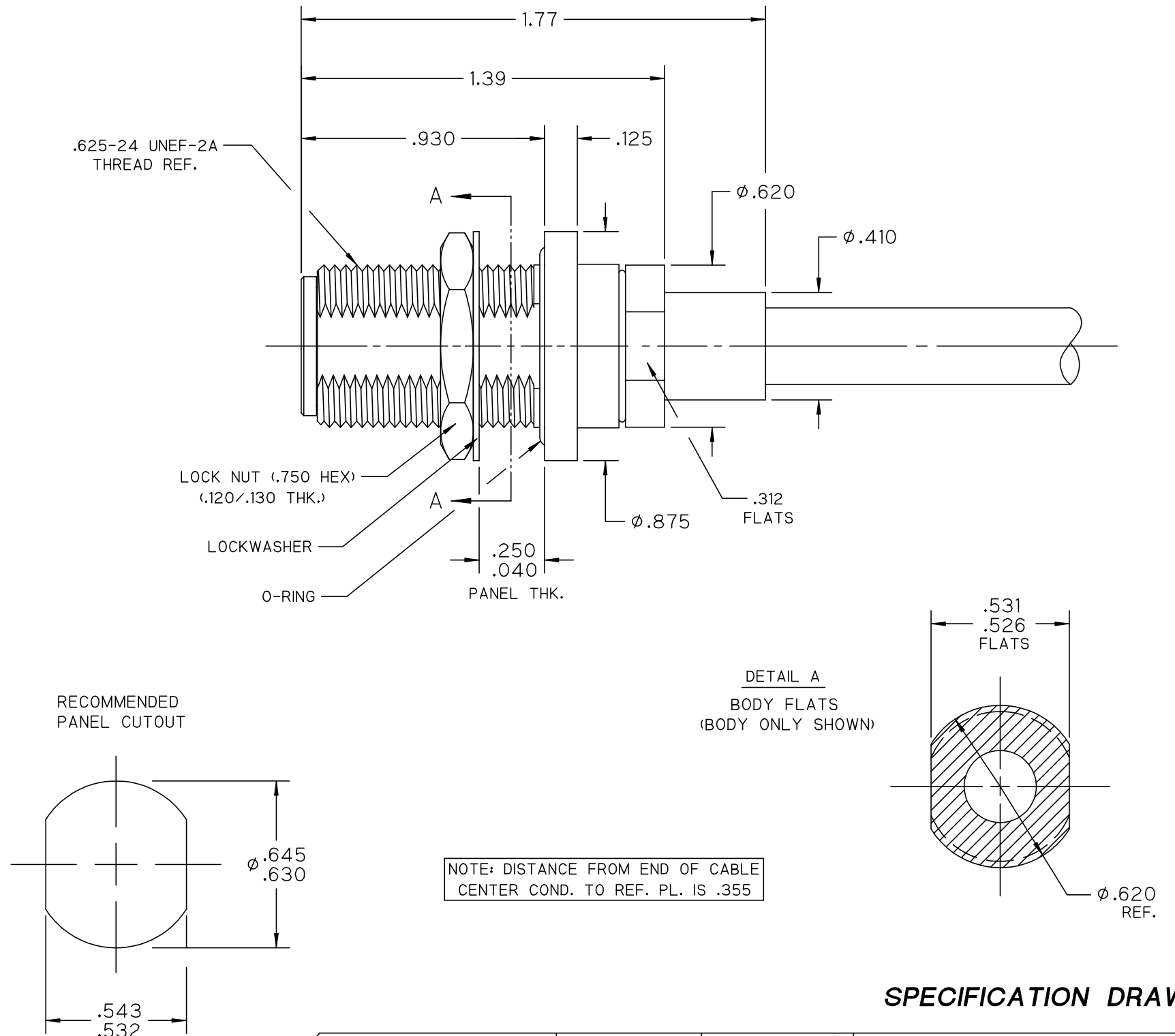
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C to +150°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	MIL-STD-202, METHOD 106, (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5*

MATERIAL AND FINISH	
BODY, CLAMP & COUPLING NUTS	STEEL, CORROSION RESISTANT PER ASTM-A582, UNS NO. S30300, PASSIVATE PER SAE-AMS-2700.
LOCKWASHER	STEEL, CORROSION RESISTANT PER ASTM-A313, UNS NO. S30200, PASSIVATE PER SAE-AMS-2700.
CENTER CONTACT	BERYLLIUM COPPER PER ASTM-B196, UNS C17300, GOLD PLATE PER ASTM-B488, 50 MICROINCHES MIN. THK. OVER ELECTROLYTIC NICKEL PLATE PER ASTM-B689, 50 MICROINCHES MIN. THK.
SOLDER FERRULE	BRASS PER ASTM-B16, UNS C36000, GOLD PLATE PER ASTM-B488, 50 MICROINCHES MIN. THK. OVER ELECTROLYTIC NICKEL PLATE PER ASTM-B689, 50 MICROINCHES MIN. THK.
O-RING(S)	SILICONE RUBBER PER A-A-59588.
DIEL. BEAD(S)	POLYETHERIMIDE THERMOPLASTIC (ULTEM 1000) PER ASTM-D5205.

APPLICATION	
CABLE(S)	SEMFLEX LA290
INSTALLATION	PER PCI 3400-AI

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	10/19/10	MJK	MJK

NOTE : MOUNTING HOLE AND BODY FLATS MEET MIL-PRF-39012/3H.



SPECIFICATION DRAWING



TOLERANCES UNLESS OTHERWISE SPECIFIED		DRAWN BY: MJK		DESCRIPTION N BULKHEAD JACK, SOLDER CLAMP FOR SEMFLEX LA290 CABLE	
		DATE: 10/19/10			
.XX	± .02	CAGE CODE	SCALE	SHEET NO.	ASSEMBLY NUMBER
.XXX	± .005	4MJR5	2:1	1 OF 1	3400-SD
.XXXX	± .0005				
ANGLES	± 2°				REV A