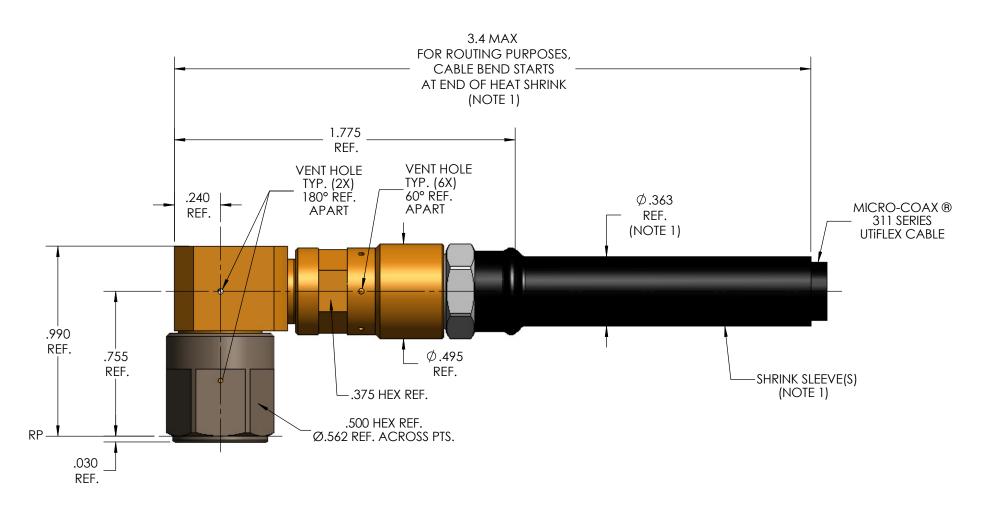
INTERFACE	MIL-STD-348 FIGURE 404 1 (SEE NIGTE 2)
IN ACCORDANCE WITH THE INTENT OF SLANT	MIL-STD-348, FIGURE 406.1 (SEE NOTE 2) SHEET MIL-PRF-39012/30 REF.
RECOMMENDED MATING TORQUE	20 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	23 IN-LBS, MIN. 100 LBS, MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFAC	
CABLE RETENTION	20 LBS. MIN.
MASS	
WINDS	38 GRAMS
ELECTR	RICAL CHARACTERISTICS
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	12.4 GHz
VSWR DC - 12.4 GHz	1.15:1MAX.
INSERTION LOSS	0.045 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1500 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 12.4 GHz	-90 dB
CORONA	375 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1000 Vrms MIN.
	2.0 MilliOhms MAX.
	0.2 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER) ENVIRON OPERATING TEMPERATURE	0.2 MilliOhms MAX.
CONTACT RESISTANCE (OUTER) ENVIRON	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS
CONTACT RESISTANCE (OUTER) ENVIRON OPERATING TEMPERATURE	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C
CONTACT RESISTANCE (OUTER) ENVIRON OPERATING TEMPERATURE VIBRATION	0.2 MilliOhms MAX. MENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B
CONTACT RESISTANCE (OUTER) ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100°C TO 165°C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5%
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MA	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. ALUMINUM ALLOY PER ASTM-B-221, HARD COAT ANODIZE
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MA BODIES, CONTACTS, CONTACT RING COUPLING NUT	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. ALUMINUM ALLOY PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625 (STANDARD GRAY/BLACK COLOR)
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION BODIES, CONTACTS, CONTACT RING COUPLING NUT SNAP RING	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. ALUMINUM ALLOY PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625 (STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER PER ASTM-B-197 STEEL, CORROSION RESISTANT PER
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION BODIES, CONTACTS, CONTACT RING COUPLING NUT SNAP RING CLAMP NUT	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. ALUMINUM ALLOY PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625 (STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER PER ASTM-B-197 STEEL, CORROSION RESISTANT PER ASTM-A-967
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION BODIES, CONTACTS, CONTACT RING COUPLING NUT SNAP RING CLAMP NUT INSULATORS	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. ALUMINUM ALLOY PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625 (STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER PER ASTM-B-197 STEEL, CORROSION RESISTANT PER ASTM-A-582, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION BODIES, CONTACTS, CONTACT RING COUPLING NUT SNAP RING CLAMP NUT INSULATORS	0.2 MilliOhms MAX. IMENTAL CHARACTERISTICS -100 °C TO 165 °C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. ALUMINUM ALLOY PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625 (STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER PER ASTM-B-197 STEEL, CORROSION RESISTANT PER ASTM-A-582, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION BODIES, CONTACTS, CONTACT RING COUPLING NUT SNAP RING CLAMP NUT INSULATORS	0.2 MilliOhms MAX. MENTAL CHARACTERISTICS -100°C TO 165°C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 101, CONDITION B MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH BERYLLIUM COPPER PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. ALUMINUM ALLOY PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625 (STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER PER ASTM-B-197 STEEL, CORROSION RESISTANT PER ASTM-A-582, PASSIVATE PER ASTM-A-967 TFE FLUOROCARBON PER ASTM-D-1710 POLYETHERIMIDE THERMOPLASTIC, PER ASTM-D-5205

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
Α	ECO 105488	6/2/2010	MJM	RS	NDS
Al	ECO 105984	10/26/2010	MJM	RS	CCF
В	ECO 115439	7/25/2011	MJM	RS	CCF
C	ECO 135363	7/15/2013	MJM	RS	CCF
C1	ECO 135527	11/7/2013	MJM	RS	CCF





NOTES:

- MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
- 2. THIS CONNECTOR WILL HAVE THE FOLLOWING EXCEPTIONS TO MIL-STD-348, FIG 406.1:
- a) .0851/.0859 WILL BE .0820 ±.0005 b) .3175/.3185 WILL BE .317 ±.001 c) .2752/.2760 WILL BE .2650 ±.0005 d) .209/.212 WILL BE .212 ±.003

- 8. ALL SPECIFICATIONS LISTED ON THIS DRAWING WILL ALSO APPLY TO CONNECTOR 905057-EM (EQUIPMENT MODEL).

SPECIFICATION DRAWING

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TOLERANCES UNLESS OTHEWISE SPECIFIED		TITLE TNC RIGHT ANGLE PLUC				LUG, VENT HOLES, 311 SERIES, SPACE GRADE					
.XX	± .02										
.XXX	± .005	ALL DIMENSIONS IN INC UNLESS OTHERWISE SPEC		F3CM		NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV
.XXXX ± .0010 ANGLES ± 2°			SCREW THDS. TO BE IN ACCORD		64639		R	2.1	1 OF 1	SD905057	
		W	ITH ANSI B1.1-1989	9.	040	007	D	Z. I		30703037	