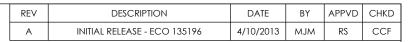
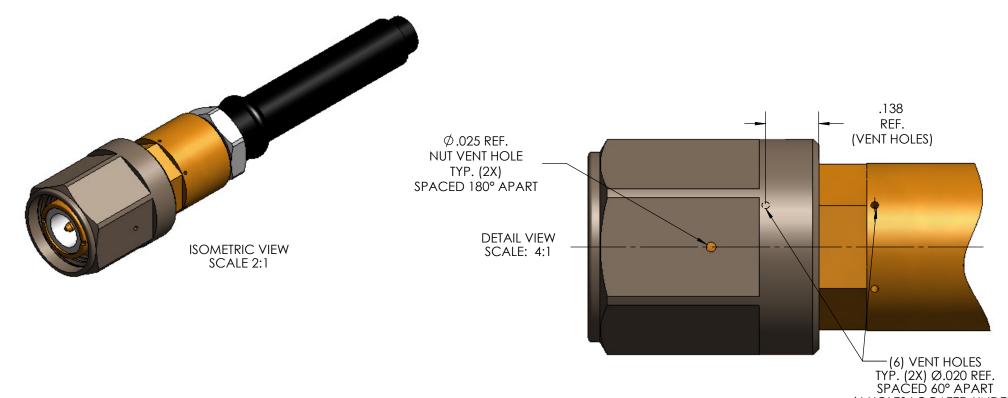
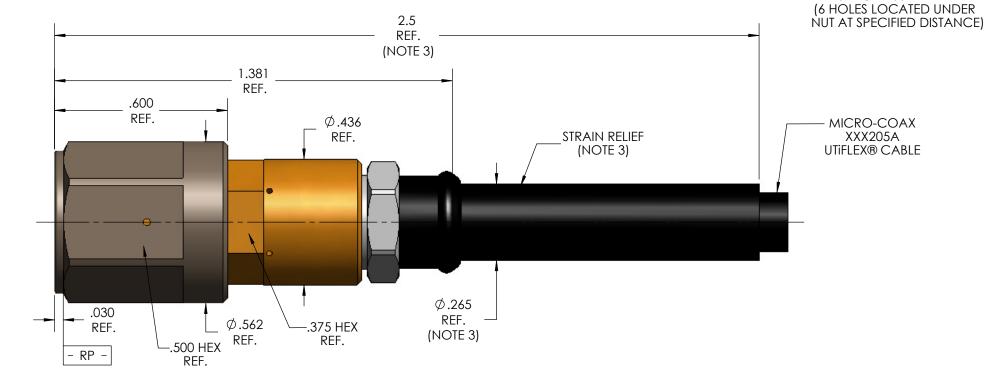
MECHANICA	AL CHARACTERISTICS
INTERFACE	MIL-STD-348, FIGURE 313.1 (SEE NOTE 4)
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	MIL-PRF-39012/26 REF.
RECOMMENDED MATING TORQUE	15 IN-LBS. NOM.
COUPLING PROOF TORQUE	25 IN-LBS. MIN.
COUPLING NUT RETENTION	100 LBS. MIN.
FORCE TO ENGAGE	2 IN-LBS. MAX.
FORCE TO DISENGAGE	2 IN-LBS. MAX.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	20 LBS. MIN.
MASS	14.15 GRAMS NOM.
ELECTRICAL	. CHARACTERISTICS
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	15.0 GHz
VSWR DC - 15.0 GHz	1.15:1MAX.
INSERTION LOSS	
	0.045 VF (GHz) dB MAX. 1500 Vrms MIN.
DIELECTRIC WITHSTANDING VOLTAGE INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 9 GHz	-90 dB
9 GHz - 15 GHz	TBD
ORONA	375 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	1000 Vrms MAX.
	1.5 MilliOhms MAX.
CONTACT RESISTANCE (INNER) CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	
CONTACT RESISTANCE (OUTER)	0.2 MilliOhms MAX. TAL CHARACTERISTICS -65°C TO 165°C
CONTACT RESISTANCE (OUTER) ENVIRONMENT	0.2 MilliOhms MAX. TAL CHARACTERISTICS
CONTACT RESISTANCE (OUTER) ENVIRONMENT OPERATING TEMPERATURE	0.2 MilliOhms MAX. TAL CHARACTERISTICS -65°C TO 165°C
CONTACT RESISTANCE (OUTER) ENVIRONMENT OPERATING TEMPERATURE VIBRATION	0.2 MilliOhms MAX. TAL CHARACTERISTICS -65°C TO 165°C MIL-STD-202, METHOD 204, CONDITION B
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK	0.2 MilliOhms MAX. TAL CHARACTERISTICS -65°C TO 165°C MIL-STD-202, METHOD 204, CONDITION B MIL-STD-202, METHOD 213, CONDITION I
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK	0.2 MilliOhms MAX. TAL CHARACTERISTICS -65 °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
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE	0.2 MilliOhms MAX. TAL CHARACTERISTICS -65°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%
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING	0.2 Milliohms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING COUPLING NUT	0.2 Milliohms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) ALS AND FINISH BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER ASTM-
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING COUPLING NUT	O.2 MilliOhms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) ALS AND FINISH BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE PER ASTM-B734. ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING COUPLING NUT	O.2 Milliohms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) ALS AND FINISH BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE PER ASTM-B734. ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625(STANDARD GRAY/BLACK COLOR)
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING COUPLING NUT SNAP RING CLAMP NUT CONTACT RING, CONTACT	O.2 Milliohms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) ALS AND FINISH BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE PER ASTM-B734. ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625(STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197 STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING COUPLING NUT SNAP RING CLAMP NUT CONTACT RING, CONTACT DIELECTRIC STOP(S)	O.2 Milliohms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) ALS AND FINISH BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE PER ASTM-B734. ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625(STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197 STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. TFE FLUOROCARBON PER ASTM-D-1710
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING COUPLING NUT SNAP RING CLAMP NUT CONTACT RING, CONTACT	O.2 Milliohms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) ALS AND FINISH BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE PER ASTM-B734. ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625(STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197 STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290.
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING COUPLING NUT SNAP RING CLAMP NUT CONTACT RING, CONTACT DIELECTRIC STOP(S) DIELECTRIC STOP(S), WASHER	O.2 Milliohms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) ALS AND FINISH BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE PER ASTM-B734. ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625(STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197 STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. TFE FLUOROCARBON PER ASTM-D-1710
ENVIRONMENT OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK CORROSION MOISTURE RESISTANCE MATERIA BODY, BUSHING COUPLING NUT SNAP RING CLAMP NUT CONTACT RING, CONTACT DIELECTRIC STOP(S) DIELECTRIC STOP(S), WASHER	O.2 Milliohms MAX. TAL CHARACTERISTICS -65°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% MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) ALS AND FINISH BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER ASTM-B488, OVER COPPER PLATE PER ASTM-B734. ALUMINUM ALLOY, PER ASTM-B-221, HARD COAT ANODIZE PER MIL-A-8625(STANDARD GRAY/BLACK COLOR) BERYLLIUM COPPER, UNS NO. C17200, PER ASTM-B-197 STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967 BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290. TFE FLUOROCARBON PER ASTM-D-1710 POLYMIDE, PER MIL-R-46198, (TYPE 1)

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.







NOTES:

- 1. THIS CONNECTOR NOT INTENDED FOR PIM APPLICATIONS.
- 2. VERIFY MULTIPACTION RATINGS FOR EACH APPLICATION.
- 3. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
- 4. THE MINIMUM DIMENSION FOR THE SHOULDER OF THE CENTER CONTACT SHALL BE 0.208 PER MIL-STD-348A, FIG. 313.3, NOTICE 1, DIM E.

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TOLERANC OTHEWISE		TNC PLUG, HIGH POWER, XXX205A CA					A CABLE		
.XX	± .02								
.XXX.	± .005	ALL DIMENSIONS IN INCH UNI ESS OTHERWISE SPECIE	1301	A NO. SI	ZE SCALE	SHEET NO.	DRAWING NO.	REV	
.XXXX	± .0010	SCREW THDS. TO BE IN ACC		639 F	2.1	1 OF 1	SD905264		
ANGLES	± 2°	WITH ANSI B1.1-1989	040		5 3.1	I OF I	30703204	$\overline{}$	