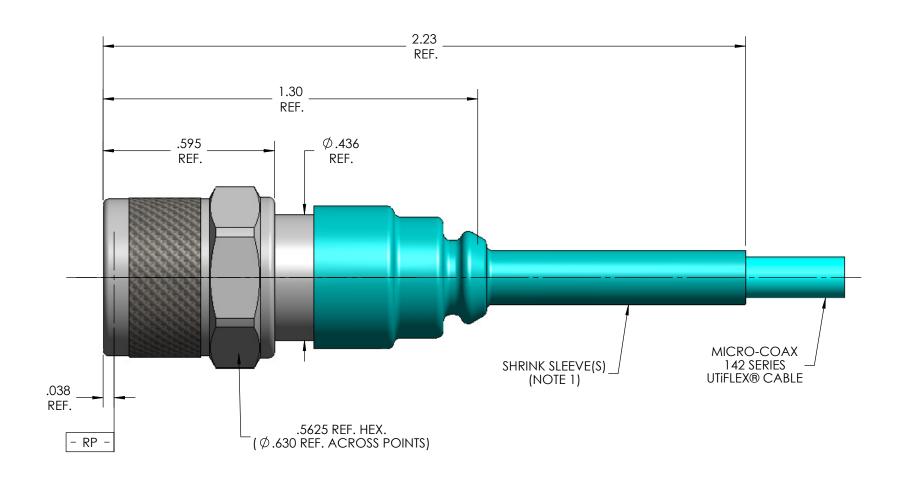
23117	NICAL CHARACTERISTICS
INTERFACE	MIL-STD-348, FIGURE 313-3
SLANT SHEET	N/A
RECOMMENDED MATING TORQUE	9 IN-LBS NOM.
COUPLING PROOF TORQUE	15 IN-LBS. MIN.
COUPLING NUT RETENTION	60 IN-LBS. MIN.
FORCE TO ENGAGE	2 LBS. MAX.
FORCE TO DISENGAGE	2 LBS. MIN.
DURABILITY	500 CYCLES MIN.
AXIAL CONTACT RETENTION	6 LBS. MIN. (BOTH DIRECTIONS)
CABLE RETENTION	10 LBS. MIN.
MASS (SHEET 1)	20.05 GRAMS NOM.
MASS (SHEET 2)	22.73 GRAMS NOM.
ELECTR	RICAL CHARACTERISTICS
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	18 GHz
VSWR DC - 12.4 GHz	1.15:1 MAX.
12.4 GHz - 18 GHz	1.20:1 MAX.
INSERTION LOSS	0.04 √F (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	900 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	230 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	600 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
OONER OF DECISE 1915	2.0 A 4 illi Olomoo A 4 A V
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.
ENVIRON	MENTAL CHARACTERISTICS
ENVIRON OPERATING TEMPERATURE	MENTAL CHARACTERISTICS -62°C TO 165°C
ENVIRON OPERATING TEMPERATURE VIBRATION	-62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK	-62°C TO 165°C MIL-STD-202, METHOD 213, CONDITION I
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK	-62°C TO 165°C MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE	-62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK	-62°C TO 165°C MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION	-62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION	-62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5%
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION	-62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. \$30300,
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MA BODY, CLAMP NUT & COUPLING NUT	-62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. 330300, PASSIVATED PER ASTM-8-967 OR SAE-AMS-2700 BERYLLIUM COPPER, ASTM-8-196, GOLD PLATED PER MIL-DIL-45204, OVER
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MA BODY, CLAMP NUT & COUPLING NUT CONTACT CONTACT RING	-62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. \$30300, PASSIVATED PER ASTM-A-967 OR SAE-AMS-2700 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER MIL-DTL-45204, OVER GOLD PLATED PER MIL-TIL-45204, OVER GOLD PLATE PER MIL-TIL-45204, OVER
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MA BODY, CLAMP NUT & COUPLING NUT CONTACT	IMENTAL CHARACTERISTICS -62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. 330300, PASSIVATED PER ASTM-A-967 OR SAE-AMS-2700 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BRASS, PER ASTM B16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION BODY, CLAMP NUT & COUPLING NUT CONTACT CONTACT INSULATOR, DIELECTRIC STOP	ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-96 GOLD PLATE PER AMS-QQ-N-290 BRASS, PER ASTM B16, GOLD PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MA BODY, CLAMP NUT & COUPLING NUT CONTACT CONTACT RING INSULATOR, DIELECTRIC STOP SNAP RING	-62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 OR SAE-AMS-2700 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BRASS, PER ASTM B16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205 BERYLLIUM COPPER, PER ASTM-B-197
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION BODY, CLAMP NUT & COUPLING NUT CONTACT CONTACT CONTACT RING INSULATOR, DIELECTRIC STOP SNAP RING GASKET	IMENTAL CHARACTERISTICS -62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. \$30300, PASSIVATED PER ASTM-A-967 OR SAE-AMS-2700 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BRASS, PER ASTM B16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205 BERYLLIUM COPPER, PER ASTM-B-197 SILICONE RUBBER PER ZZ-R-765 STEEL, CORROSION RESISTANT, PER ASTM-A-269, UNS NO. \$30400 (TF 304) OR \$30403 (TF 3041),
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION BODY, CLAMP NUT & COUPLING NUT CONTACT CONTACT CONTACT RING INSULATOR, DIELECTRIC STOP SNAP RING GASKET	ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-269, UNS NO. 330400 (IT 3041), PASSIVATED PER ASTM-A-269, UNS NO. 330400 (IT 3041), PASSIVATED PER ASTM-A-269, UNS NO. 330400 (IT 3041), PASSIVATED PER ASTM-A-267
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MA BODY, CLAMP NUT & COUPLING NUT CONTACT CONTACT RING INSULATOR, DIELECTRIC STOP SNAP RING GASKET ELBOW	IMENTAL CHARACTERISTICS -62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967 OR SAE-AMS-2700 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BRASS, PER ASTM B16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205 BERYLLIUM COPPER, PER ASTM-B-197 SILICONE RUBBER PER ZZ-R-765 STEEL, CORROSION RESISTANT, PER ASTM-A-269, UNS NO. S30400 (TP 304) OR S30403 (TP 304L), PASSIVATED PER ASTM-A-967
ENVIRON OPERATING TEMPERATURE VIBRATION MECHANICAL SHOCK THERMAL SHOCK MOISTURE RESISTANCE CORROSION MA BODY, CLAMP NUT & COUPLING NUT CONTACT CONTACT RING INSULATOR, DIELECTRIC STOP SNAP RING GASKET ELBOW CABLE(S)	IMENTAL CHARACTERISTICS -62°C TO 165°C MIL-STD-202, METHOD 204, CONDITION D MIL-STD-202, METHOD 213, CONDITION I MIL-STD-202, METHOD 107, CONDITION B MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION) MIL-STD-202, METHOD 101, CONDITION B, 5% ATERIALS AND FINISH STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. \$30300, PASSIVATED PER ASTM-A-967 OR SAE-AMS-2700 BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 BRASS, PER ASTM B16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290 POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205 BERYLLIUM COPPER, PER ASTM-B-197 SILICONE RUBBER PER ZZ-R-765 STEEL, CORROSION RESISTANT, PER ASTM-A-269, UNS NO. \$30400 (TP 304) OR \$30403 (TP 304L), PASSIVATED PER ASTM-A-967

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REV	DESCRIPTION	DATE	BY	APPVD	CHKD
Α	INITIAL RELEASE	6/21/2005	SRS	MJK	-
В	ECO 135231	4/25/2013	MLM	RS	CCF

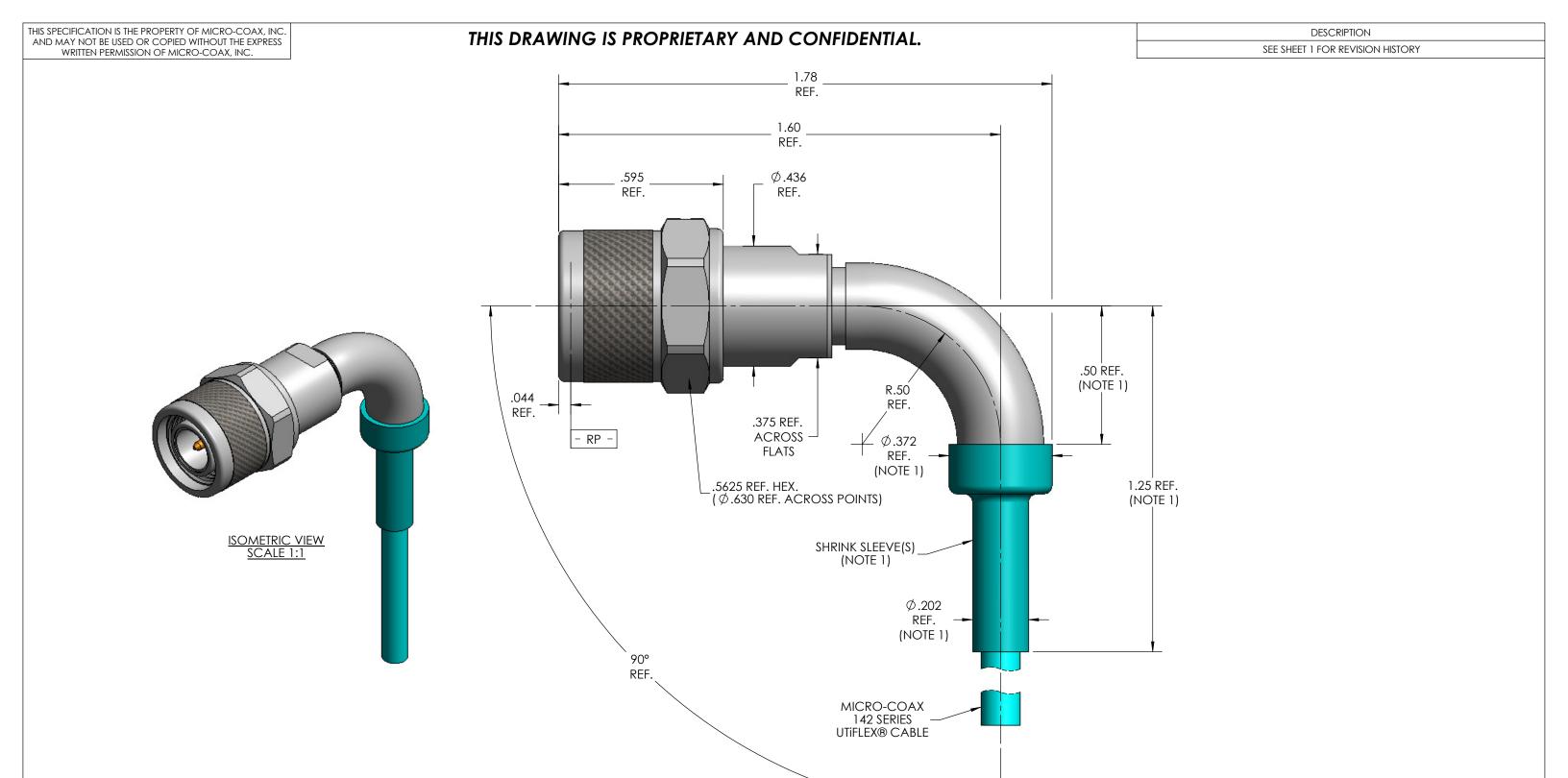


SPECIFICATION DRAWING

NOTE:

- 1. MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.
- 2. SEE SHEET 2 FOR 90° ELBOW CONFIGURATION.

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