

## MECHANICAL 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	20 LBS MIN.
MASS	20.16 GRAMS NOM.

## ELECTRICAL 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 $\sqrt{f}$ (GHz) dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	1000 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 18 GHz	-90 dB
CORONA	260 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL	650 Vrms MIN.
CONTACT RESISTANCE (INNER)	4.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

## ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE	-65°C TO 165°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, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

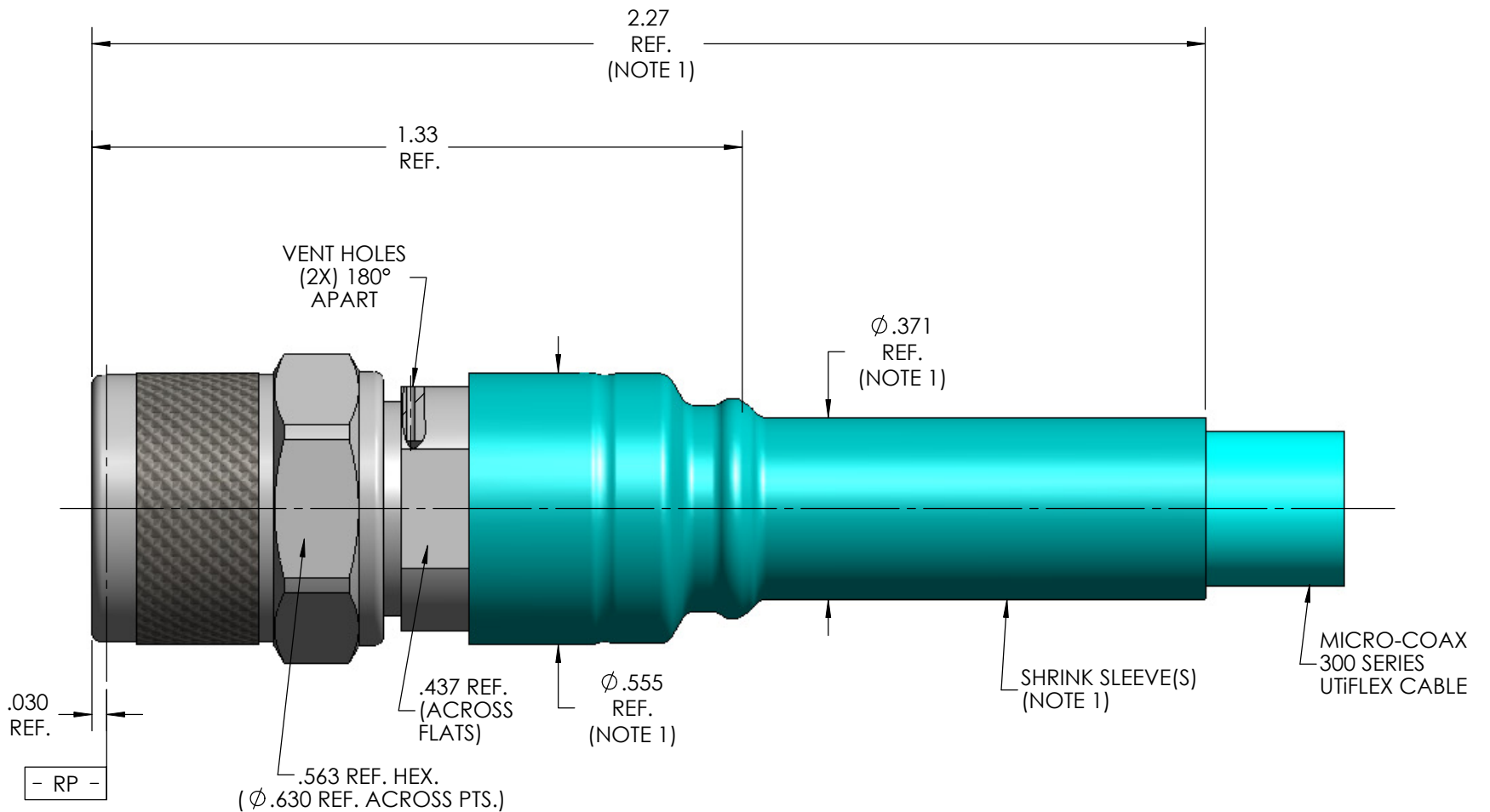
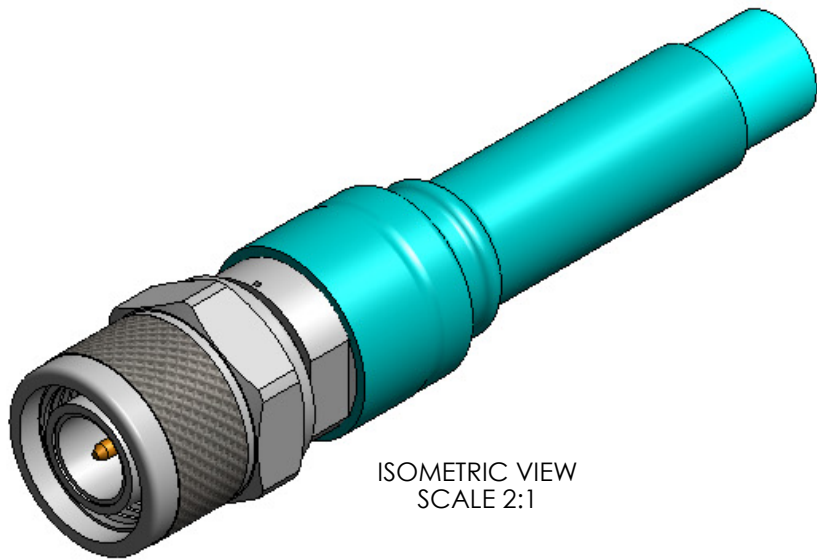
## MATERIALS AND FINISH

BODY, COUPLING NUT	STEEL, CORROSION RESISTANT, ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
CONTACT(S)	BERYLLIUM COPPER, ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
CONTACT RING	BRASS, PER ASTM B16, GOLD PLATE PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR, DIELECTRIC STOP	POLYETHERIMIDE THERMOPLASTIC PER ASTM-D-5205
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-197

## APPLICATION

CABLE(S)	300 SERIES CABLE
INSTALLATION	PER CONFIGURATOR

**THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.**



NOTE:

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

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
A	INITIAL RELEASE - ECO 135196	4/10/2013	MJM	RS	CCF

THIS SPECIFICATION IS THE PROPERTY OF MICRO-COAX, INC. AND MAY NOT BE USED OR COPIED WITHOUT THE EXPRESS WRITTEN PERMISSION OF MICRO-COAX, INC.	INITIALS		DATE		<div>MICRO-COAX<sup>®</sup></div> <div>Leading the way in transmission line solutions.</div> <div>Copyright Micro-Coax, Inc.</div>						
	DWN.	MJM	3/4/13								
	CHKD.	CCF	3/21/13								
	APPVD.										
TOLERANCES UNLESS OTHERWISE SPECIFIED			TITLE								
			TNCA PLUG, VENT HOLES, 300 SERIES								
.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  3:1	SHEET NO.  1 OF 1	DRAWING NO.  SD905258	REV  A
.XXX	± .005										
.XXXX	± .0010										
ANGLES	±2°										