

MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 326-3 (LIMITED DETENT)
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	DSCC 94007 & 94008 REF.
FORCE TO ENGAGE	10.0 LBS. MAX.
FORCE TO DISENGAGE	2.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	3.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	3.0 LBS. MIN.
CABLE RETENTION	CABLE DEPENDENT
DURABILITY	500 CYCLES MIN.
MASS	MASS = 0.800 GRAMS NOM.

ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40.0 GHz
VSWR DC - 18.0 GHz	1.20:1 MAX.
18.0 - 26.5 GHz	1.35:1 MAX.
26.5 - 40.0 GHz	1.70:1 MAX.
INSERTION LOSS	0.04 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	500 Vrms MIN. (SEA LEVEL)
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 GHz	TBD
3 GHz - 18 GHz	TBD
CORONA	190 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	325 Vrms MIN.
CONTACT RESISTANCE (INNER)	6.0 MilliOhms MAX.
CONTACT RESISTANCE (OUTER)	2.0 MilliOhms MAX.

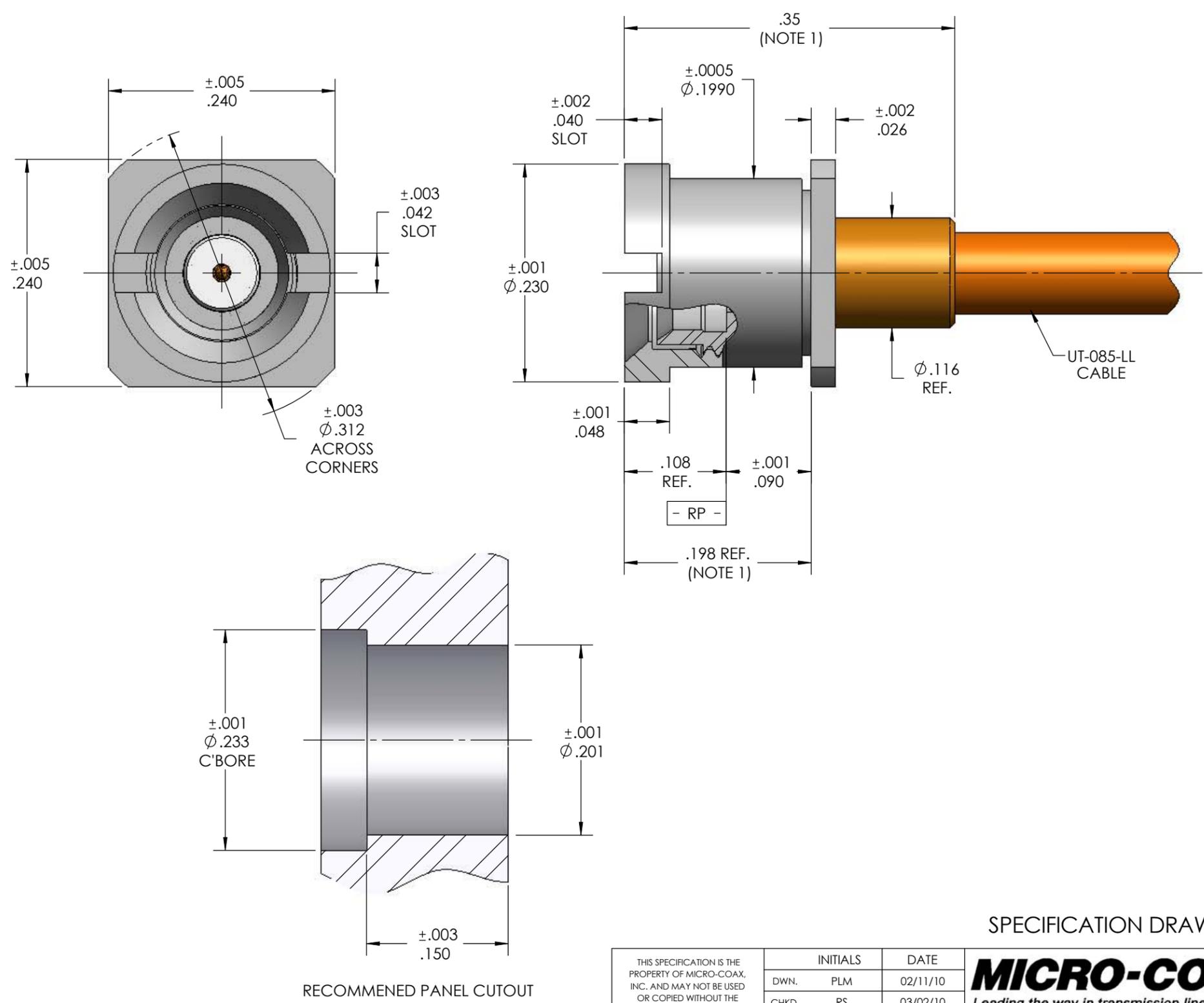
ENVIRONMENTAL CHARACTERISTICS	
OPERATING TEMPERATURE	-65°C TO 165°C
VIBRATION	MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	MIL-STD-202, METHOD 213, CONDITION I
THERMAL SHOCK	MIL-STD-202, METHOD 107, CONDITION B
MOISTURE RESISTANCE	N/A
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%

MATERIALS AND FINISH	
BODY, SHROUD	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATED PER ASTM-A-967
REAR BODY, CONTACT	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR(S)	POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358

APPLICATION	
CABLE(S)	UT-085-LL
INSTALLATION	PER CONFIGURATOR

THIS DRAWING IS PROPRIETARY AND CONFIDENTIAL.

REV	DESCRIPTION	DATE	BY	APPVD	CHKD
1	PRELIMINARY RELEASE, ESR 1014048	03/02/10	PLM	RS	RS



NOTE:  
1. INDICATED DIMENSIONS APPLY WITH REQUIRED PANEL THICKNESS.

TOLERANCES UNLESS OTHERWISE SPECIFIED		INITIALS		DATE		TITLE					
.XX	$\pm.02$	DWN.	PLM		02/11/10	<b>MICRO-COAX</b> <sup>®</sup> Leading the way in transmission line solutions. Copyright Micro-Coax, Inc.					
.XXX	$\pm.005$	CHKD.	RS		03/02/10						
.XXXX	$\pm.0010$	APPVD.	RS		03/02/10						
ANGLES	$\pm 2^\circ$	TITLE				SMA MALE (PIN), LIMITED DETENT, UT-085-LL					
ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. SCREW THDS. TO BE IN ACCORD WITH ANSI B1.1-1989.		FSCM NO.	SIZE	SCALE	SHEET NO.	DRAWING NO.	REV				
		64639	B	8:1	1 OF 1	SD905035	1				