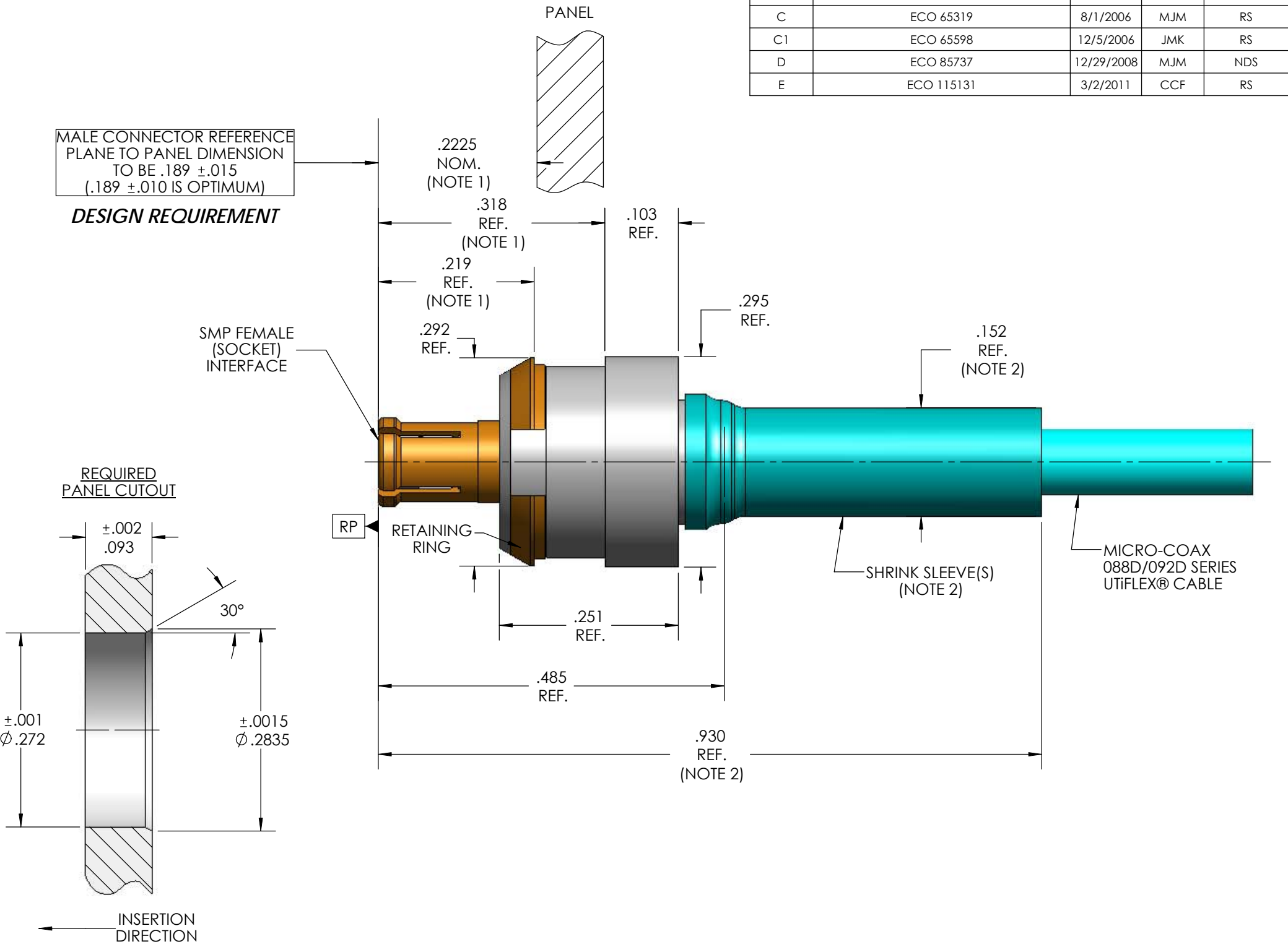


MECHANICAL CHARACTERISTICS	
INTERFACE	MIL-STD-348, FIGURE 326-1
IN ACCORDANCE WITH THE INTENT OF SLANT SHEET	DSCC 94007 & 94008 REF.
FORCE TO ENGAGE (FULL, LIMITED, SMOOTH)	15.0, 10.0, 2.0 LBS. MAX.
FORCE TO DISENGAGE (FULL, LIMITED, SMOOTH)	5.0, 2.0, 0.5 LBS. MIN.
AXIAL CONTACT RETENTION (FROM INTERFACE)	3.0 LBS. MIN.
AXIAL CONTACT RETENTION (FROM CABLE)	3.0 LBS. MIN.
SPRING FORCE	0.8 LBS MIN. TO 6.1 LBS MAX.
CABLE RETENTION	10 LBS. MIN.
DURABILITY (FULL, LIMITED, SMOOTH)	100, 500, 1000 CYCLES MIN.
AXIAL FLOAT	.055 MIN.
RADIAL FLOAT	.020 MIN.
MASS	1.39 GRAMS NOM.
ELECTRICAL CHARACTERISTICS	
IMPEDANCE	50 Ohms NOM.
MAXIMUM FREQUENCY	40.0 GHz
VSWR DC - 20.0 GHz	1.15:1 MAX.
20.0 - 26.5 GHz	1.20:1 MAX.
26.5 - 40.0 GHz	1.70:1 MAX.
INSERTION LOSS	0.06 √F (GHz)dB MAX.
DIELECTRIC WITHSTANDING VOLTAGE	625 Vrms MIN.
INSULATION RESISTANCE	5000 MegaOhms MIN.
RF LEAKAGE DC - 3 GHz	-75 dB MIN.
3 - 18 GHz	-50 dB MIN.
CORONA	170 Vrms MIN. @ 70,000 FEET
RF HIGH POTENTIAL (5 MHz)	425 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	MIL-STD-202, METHOD 106, CONDITION (NO VIBRATION)
CORROSION	MIL-STD-202, METHOD 101, CONDITION B, 5%
MATERIALS AND FINISH	
BODY, CONTACT	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER NICKEL PLATE PER AMS-QQ-N-290
INSULATOR, DIELECTRIC STOP	POLYPHENYLENE SULFIDE (PPS), PER ASTM-D-6358
FLOAT MOUNT SHROUD, SHROUD END CAP, SPRING BUSHING, ANTI ROCK SLEEVE	STEEL, CORROSION RESISTANT, PER ASTM-A-582, UNS NO. S30300, PASSIVATE PER ASTM-A-967
SPRING	STEEL, CORROSION RESISTANT SPRING WIRE, ASTM-A-313, UNS NO. S17700, PASSIVATE PER ASTM-A-967
SNAP RING	BERYLLIUM COPPER, PER ASTM-B-196, GOLD PLATED PER MIL-DTL-45204, OVER COPPER FLASH PER MIL-C-14550
APPLICATION	
CABLE(S)	088D/092D CABLE
INSTALLATION	PER CONFIGURATOR

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NOTE:

- DIMENSIONS INDICATED ARE FREE STATE (UNMATED) CONDITION.
- MARKER LOCATION ON THIS DRAWING IS FOR REFERENCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

REV.	DESCRIPTION	DATE	BY	APPVD
A	INITIAL RELEASE	5/18/2005	SRS	MJK
B	ECO 55517	7/21/2005	MJK	MJK
B1	ECO 55760	10/20/2005	JMK	RS
C	ECO 65319	8/1/2006	MJM	RS
C1	ECO 65598	12/5/2006	JMK	RS
D	ECO 85737	12/29/2008	MJM	NDS
E	ECO 115131	3/2/2011	CCF	RS

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	DWN.	MJK	3/24/03							
	CHKD.	MJM	03/07/11							
	APPVD.									
TOLERANCES UNLESS OTHERWISE SPECIFIED			TITLE							
			SMP SOCKET, SNAP-IN BULKHEAD FLOAT MOUNT, 088D/092D							
.XX	± .02		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
.XXX	± .005				64639	B	6:1	1 OF 1	SD903858	E
.XXXX	± .0010									
ANGLES	± 2°									