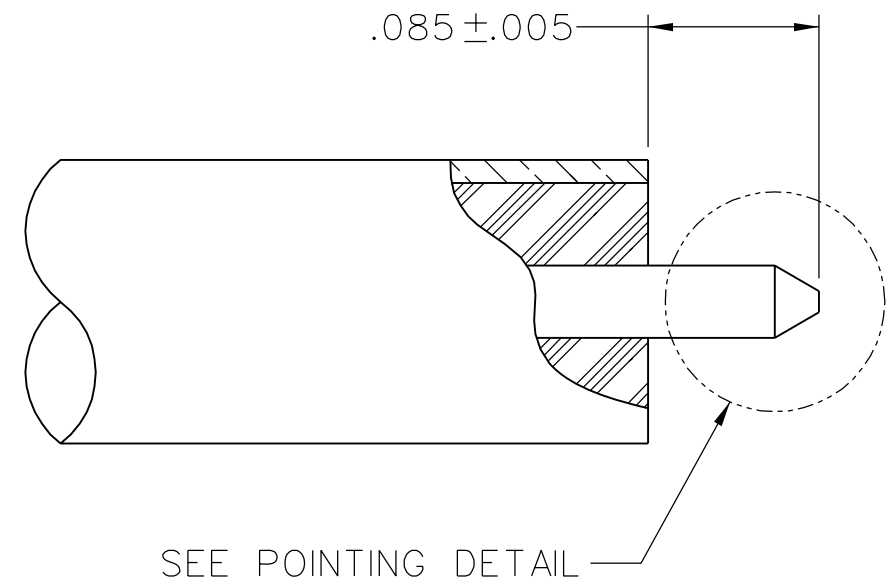
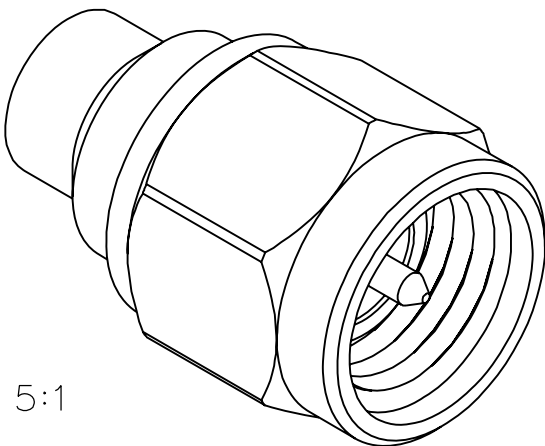
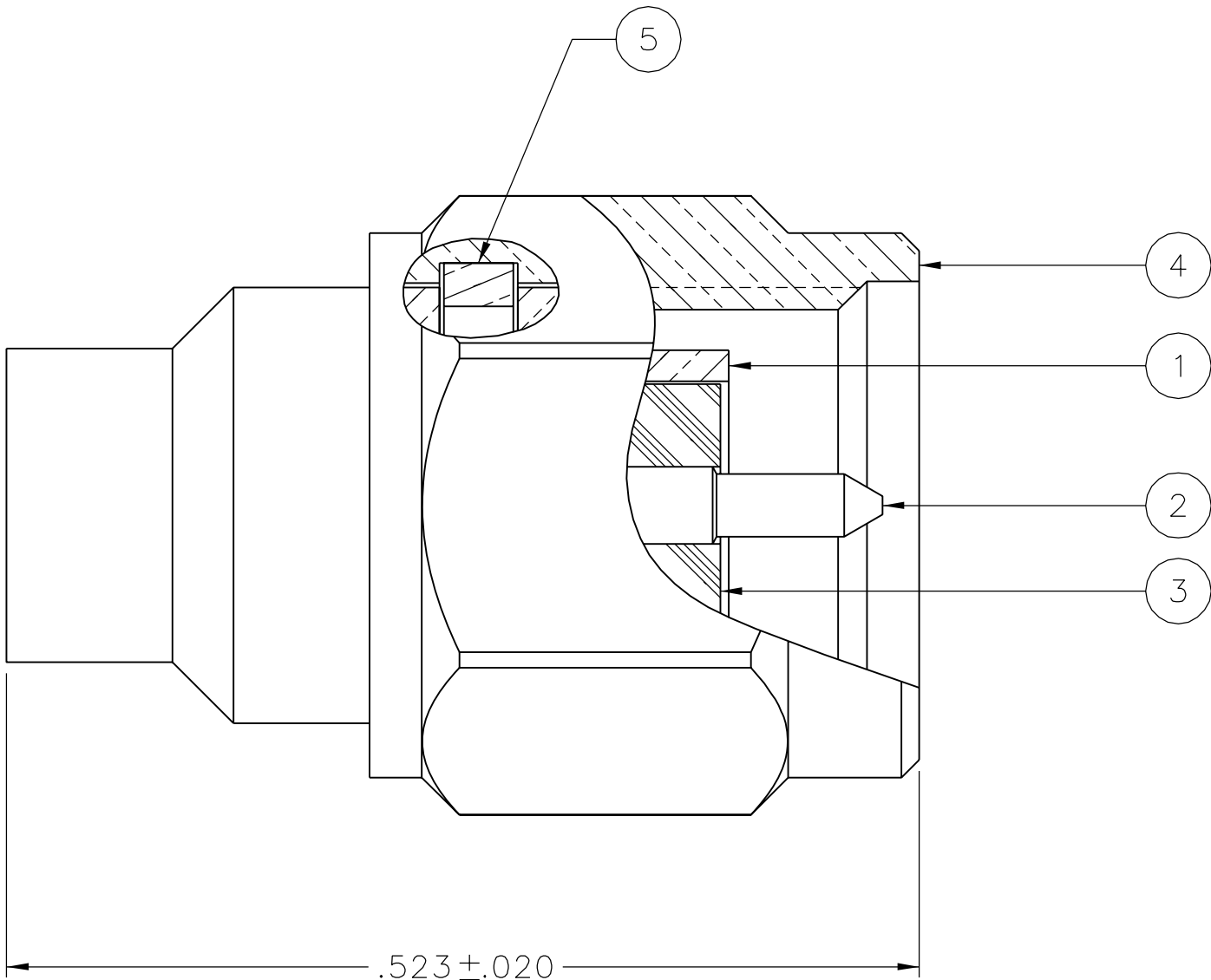


	ITEM ①	ITEM ②	ITEM ③	ITEM ④	ITEM ⑤
PART NUMBER	BODY	CONTACT	INSULATOR	COUPLING NUT	RETENTION SPRING
142-0694-061	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED
142-0694-066	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED



CABLE STRIP DIMENSIONS



NOTES:

1. SPECIFICATIONS:

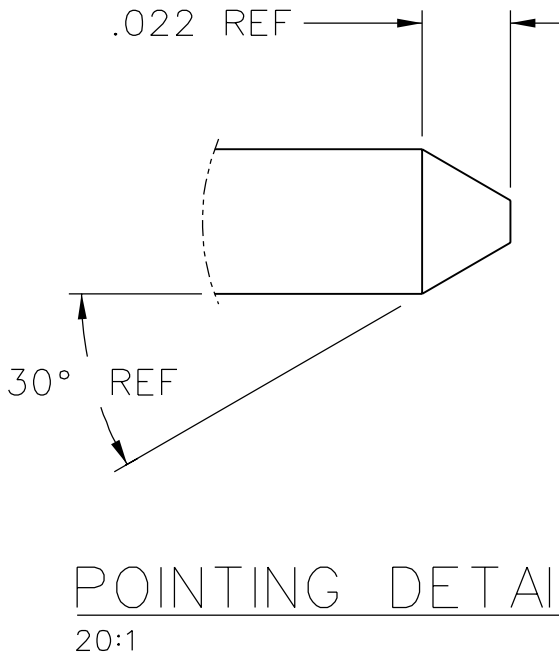
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-26.5 GHz
VSWR: 1.05+.01F(GHz) MAX AT 0-18 GHz
WORKING VOLTAGE: 500 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
 CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 5.0 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 0.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 BODY TO CABLE - 0.5 MILLIOHM MAX
CORONA LEVEL: 375 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: .03√F (F IN GHZ), TESTED AT 10 GHZ
RF LEAKAGE: -90 DB MIN AT 2 TO 3 GHZ
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 1000 VRMS AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH-POUNDS
COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG 402, .141 OD SEMIRIGID
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: 60 LBS MIN AXIAL FORCE
 55 INCH-OUNCE MIN TORQUE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 115°C HIGH TEMP
OPERATING TEMPERATURE: -65°C TO 165°C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION I
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



POINTING DETAIL

DRAWING NO.
C - 142-0694-061/070

0	REVISIONS						
ENGINEERING RELEASE							
1	7-16-04	J R K				9-10-04	ECN 49368

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE	 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS	mm	JRK	7-14-04		
.XX	_____	CHECKED BY	DATE	TITLE SMA PLUG ASSEMBLY ONE PIECE CONNECTOR, RG 402, .141 SEMI-RIGID	
.XXX ±.003	_____	APPROVED BY	DATE		
MATL	_____	JRK	9-10-04	SHEET 2 OF 2	DRAWING NO. C - 142-0694-061/070
FINISH	_____	RELEASE DATE	9-10-04		
		U/M INCH	SCALE 10:1		