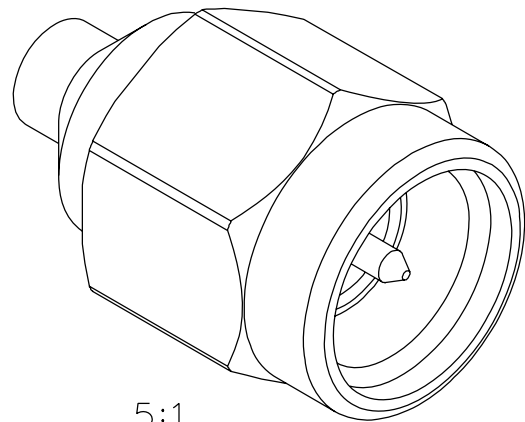


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ COUPLING NUT	ITEM ⑤ RETENTION SPRING	ITEM ⑥ GASKET
141-0693-061	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER
141-0693-062	STAINLESS STEEL GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	STAINLESS STEEL PASSIVATED	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER

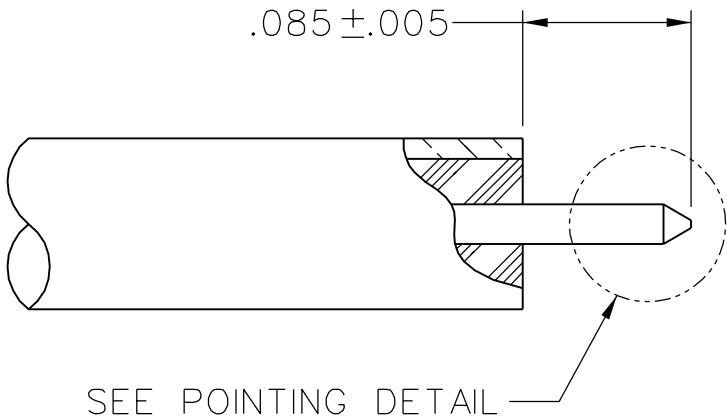


5:1

DRAWING NO.									
C - 141-0693-061/070									
0	REVISIONS								
ENGINEERING RELEASE									
1	12-15-05	P A T	S B D	P D W			5-12-06	ECN 50064	
VERSION UPDATE									

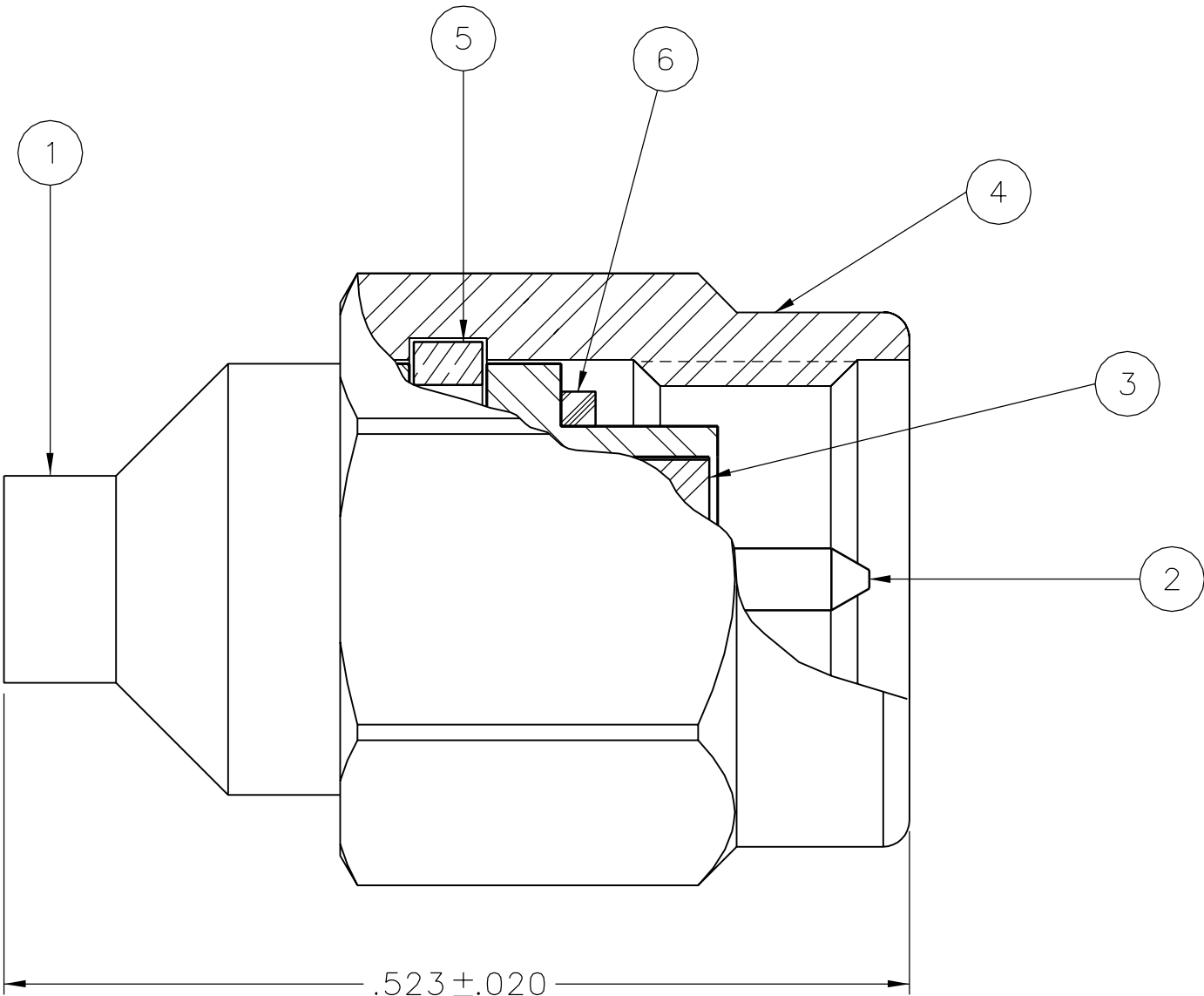
* REVISION NUMBER FOLLOWED BY AN ALPHA *									
* CHARACTER INDICATES DRAWING CLARIFI-									
* CATION OR PART NUMBER ADDITION ONLY. *									

1a	5-26-06	P A T	S B D	P D W			6-20-06	ECN 50467	
UPDATED VIEWS									
2	10-23-08	P A T	R J B	R T	M J U	J C N	10-27-08	ECN 51683	



SEE POINTING DETAIL

CABLE STRIP DIMENSIONS



NOTES:

1. SPECIFICATIONS:

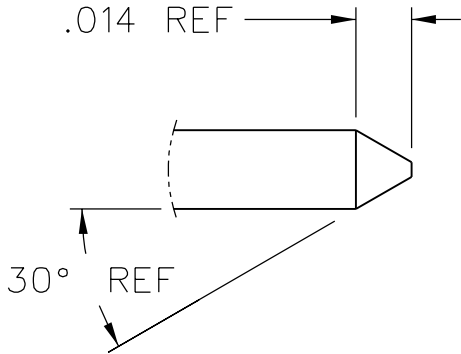
IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-26.5 GHZ
VSWR: 1.07+.01F(GHz) MAX AT 0-18 GHZ
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 5.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 0.5 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
BODY TO CABLE - 0.5 MILLIOHM MAX
CORONA LEVEL: 250 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: 670 VRMS AT 4 AND 7 MHZ

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 IN-LBS MAX
MATING TORQUE: 7-10 IN-LBS
COUPLING PROOF TORQUE: 15 IN-LBSS MIN
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: RG 405, .086 OD SEMIRIGID
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: 30 LBS MIN AXIAL FORCE
16 IN-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

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CUSTOMER DRAWING

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

"μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY PAT	DATE 12-14-05	 Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
DECIMALS .XX	mm	CHECKED BY PDW	DATE 5-12-06		
.XXX ±.003		APPROVED BY SBD	DATE 5-12-06	TITLE SMA PLUG ASSEMBLY ONE PIECE CONNECTOR, RG-405, .086 SEMI-RIGID	
MATL		RELEASE DATE	5-12-06	SHEET 2 OF 2	DRAWING NO. C - 141-0693-061/070
FINISH		U/M	INCH	SCALE	10:1