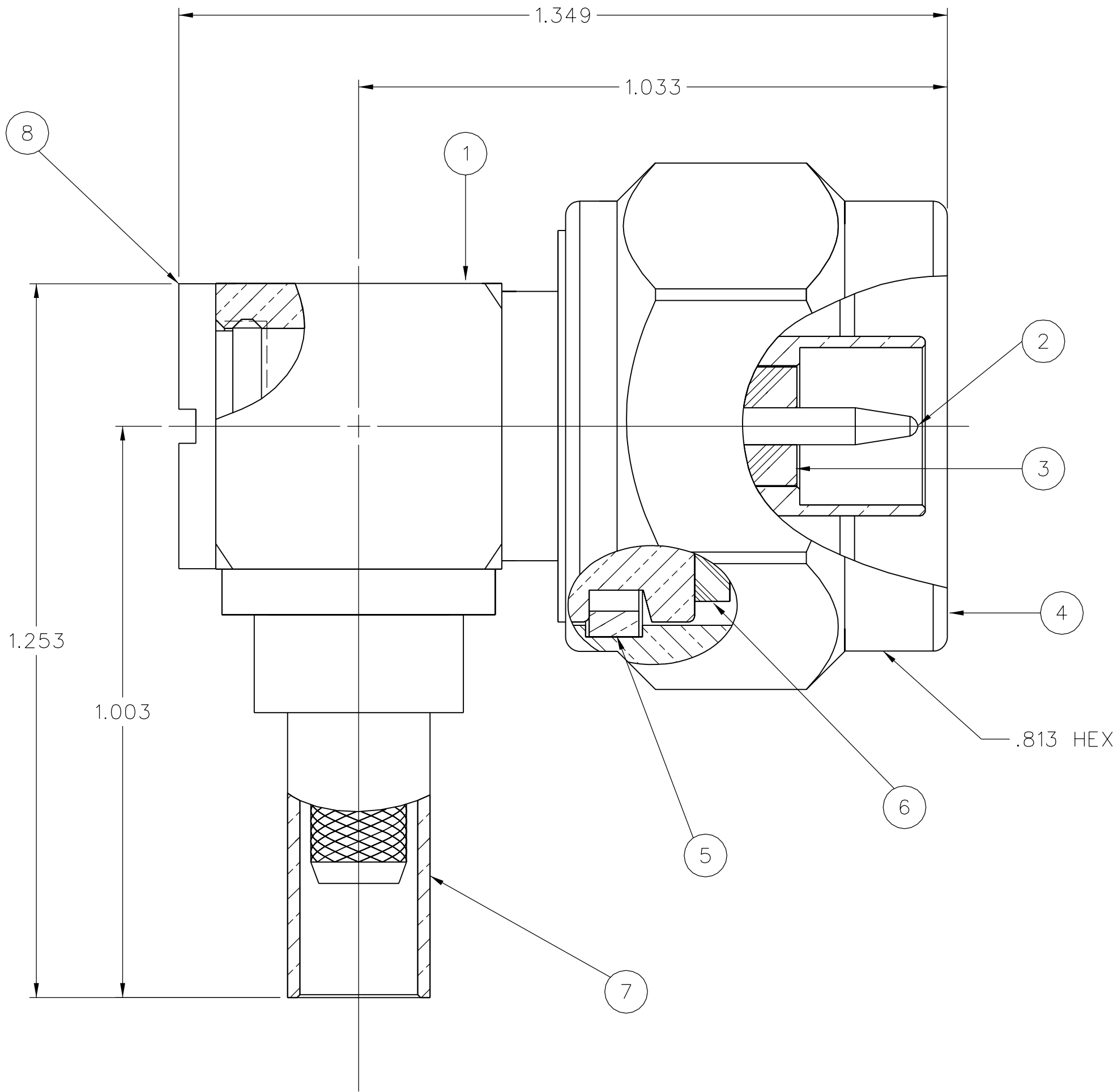
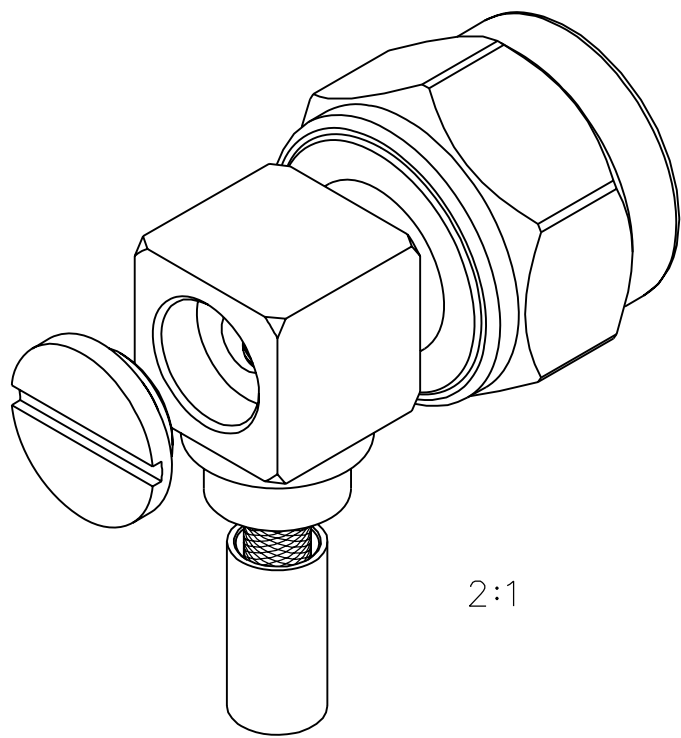


PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ COUPLING NUT	ITEM ⑤ RETENTION SPRING	ITEM ⑥ SEAL GASKET	ITEM ⑦ CRIMP SLEEVE	ITEM ⑧ END CAP
138-4407-106	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER	COPPER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN
138-4407-107	BRASS TRI-ALLOY PL .0001 MIN	BRASS GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS TRI-ALLOY PL .0001 MIN	BERYLLIUM COPPER UNPLATED	SILICONE RUBBER	COPPER TRI-ALLOY PL .0001 MIN	BRASS TRI-ALLOY PL .0001 MIN



NOTES:

1. SPECIFICATIONS:

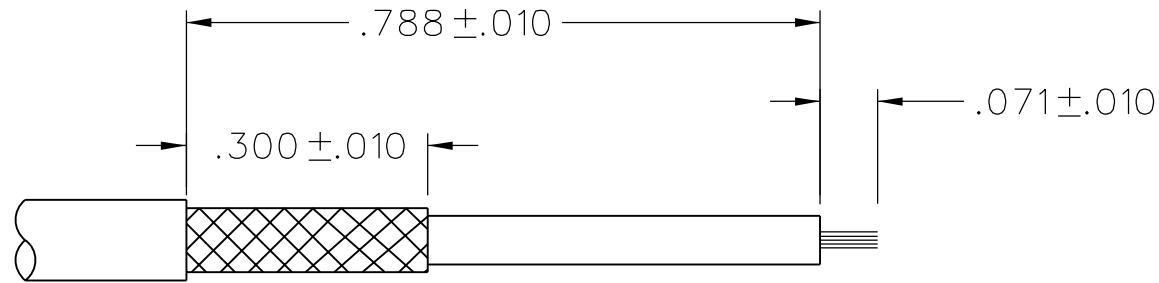
IMPEDANCE: 50 OHMS  
FREQUENCY RANGE: 0-11 GHz  
VSWR: 1.35 MAX AT 0-11 GHz  
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL  
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL  
INSULATION RESISTANCE: 5000 MEGOHM MIN  
CONTACT RESISTANCE:  
    CENTER CONTACT - INITIAL 2.5 MILLIOHM MAX, AFTER  
                            ENVIRONMENTAL 3.0 MILLIOHM MAX  
    OUTER CONDUCTOR - INITIAL 0.2 MILLIOHM MAX, AFTER  
                            ENVIRONMENTAL NOT APPLICABLE  
    BODY TO CABLE - 0.05 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE  
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET  
INSERTION LOSS: 0.30 dB MAX, TESTED AT 9 GHz  
RF LEAKAGE: -90 dB MIN AT 2 TO 3 GHz  
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS AT 4 AND 7 MHz  
THIRD ORDER INTERMODULATION PRODUCT (IMP3): TYPICALLY < -90 dBm  
    (TESTED PER IEC GUIDELINES WITH 20W CW INPUTS AT 1930-1990 MHz)

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 6 IN-LBS MAX  
MATING TORQUE: 7-10 IN-LBS  
COUPLING PROOF TORQUE: 15 IN-LBS MIN  
COUPLING NUT RETENTION: 100 LBS MIN  
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE  
CABLE ACCEPTABILITY: RG 58, RG 141, RG 303  
CABLE HEX CRIMP SIZE: .213  
CONTACT HEX CRIMP SIZE: N/A  
CABLE RETENTION: 40 LBS MIN AXIAL FORCE  
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 85°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 B  
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106



CABLE STRIP DIMENSIONS  
NOT TO SCALE

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	PAT	1-11-06
.XX	_____	CHECKED BY	DATE
.XXX	REF	PDW	4-6-06
MATL	_____	APPROVED BY	DATE
		JRK	4-6-06
FINISH	_____	RELEASE DATE	4-7-06
		U/M	INCH
		SCALE	5:1

 <b>Cinch</b> CONNECTIVITY SOLUTIONS a bel group		Cinch Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256	
TITLE		RIGHT ANGLE CRIMP PLUG TYPE N CONNECTOR RG-58	
SHEET	DRAWING NO.		
2 OF 2	C - 138-4407-101/110		

DRAWING NO. C - 138-4407-101/110	
0	REVISIONS
ENGINEERING RELEASE	
1	12-19-05 P A T J R K P D W M J U 4-7-06 ECN 50125
VERSION UPDATE	
2	1-22-07 P A T J R K P D W 2-20-07 ECN 50922

CUSTOMER DRAWING

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

"μSTATION"

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