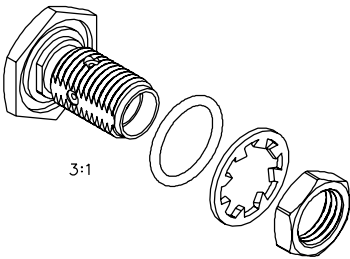
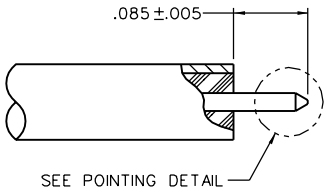


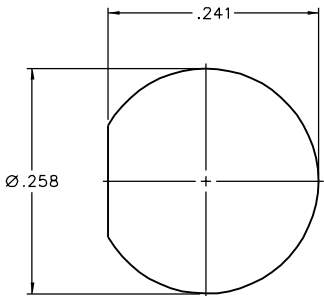
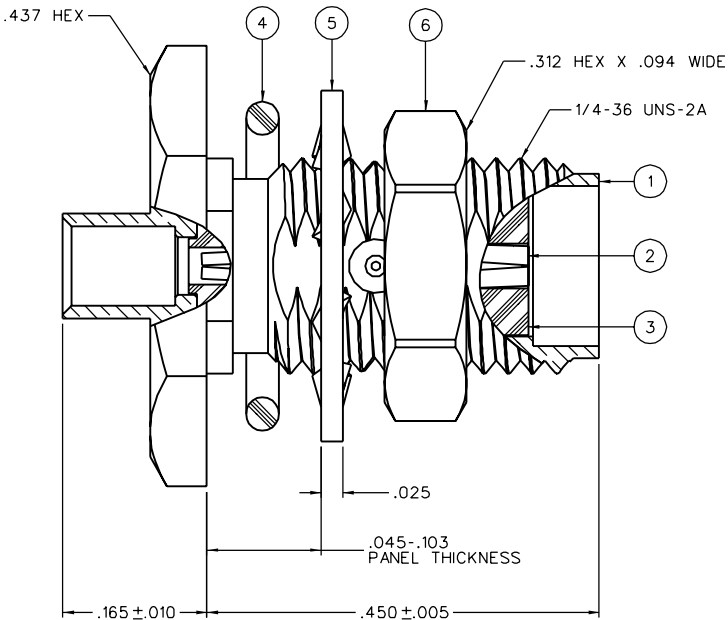
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ SEAL RING	ITEM ⑤ LOCK WASHER	ITEM ⑥ NUT
142-0593-431	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	SILICONE RUBBER	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN
142-0593-436	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	SILICONE RUBBER	BRONZE NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN



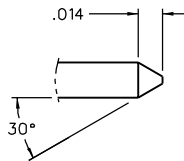
3:1



CABLE STRIP DIMENSIONS



MOUNTING HOLE



POINTING DETAIL
20:1

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
 FREQUENCY RANGE: 0-25 GHZ
 VSWR: 1.07+.01F(GHZ) MAX AT 0-18 GHZ, TYPICALLY < 1.30 AT 18-25 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 5.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 8.0 MILLIOHM MAX
 OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
 BODY TO CABLE - 0.5 MILLIOHM MAX
 CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
 INSERTION LOSS: .03V/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 INCH-POUNDS MAX
 MATING TORQUE: 7-10 INCH-POUNDS
 COUPLING PROOF TORQUE: NOT APPLICABLE
 COUPLING NUT RETENTION: NOT APPLICABLE
 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 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

DRAWING NO. C - 142-0593-431/440									
0 REVISIONS									
ENGINEERING RELEASE									
1	10-25-04	R	C	T				4-26-05	ECN 49498

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
 PER ANSI Y 14.5M - 1982

"μ STATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY JRK	DATE 10-12-04	Connectivity Solutions P.O. Box 1732 Waseca, MN 56093 1-800-247-8256
	CHECKED BY JCN	DATE 10-27-04	
DECIMALS	mm	APPROVED BY TJS	DATE 12-27-04
.XX		RELEASE DATE	4-26-05
.XXX		U/M	INCH
REF		SCALE	10:1
MATL		SHEET	2 OF 2
FINISH		DRAWING NO.	C - 142-0593-431/440
		TITLE	SMA BKHJ JACK ASSY ONE PIECE CONNECTOR, RG-405, .086 SEMI-RIGID