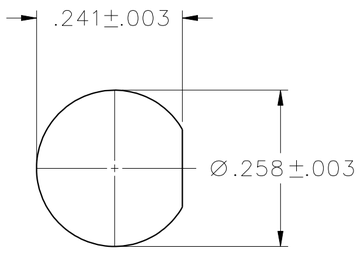
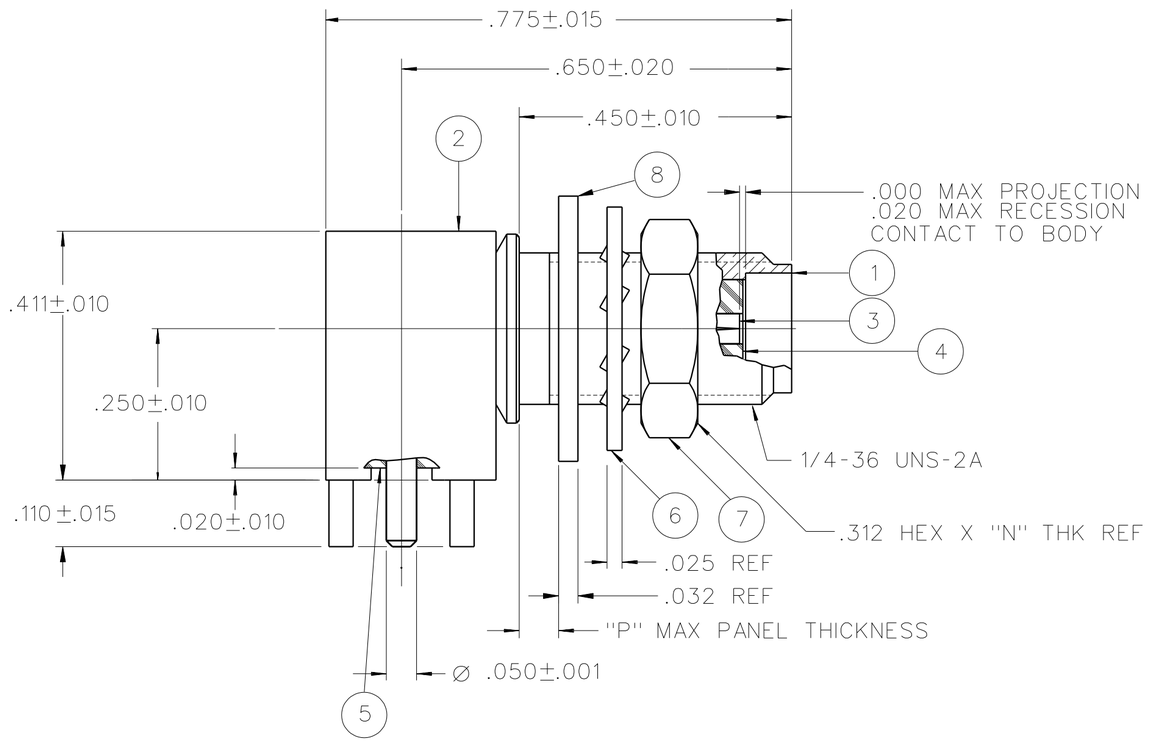
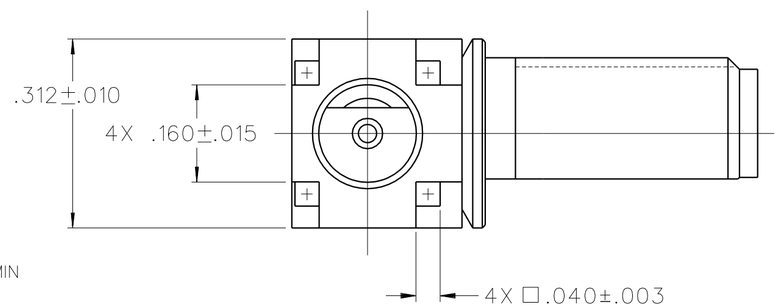
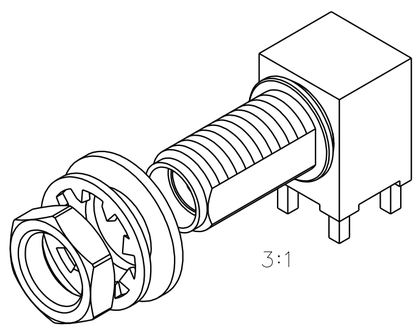
PART NUMBER	ITEM ① BODY	ITEM ② BASE	ITEM ③ CONTACT (ONE PIECE)	ITEM ④ BODY INSULATOR	ITEM ⑤ BASE INSULATOR	ITEM ⑥ LOCK WASHER	ITEM ⑦ NUT	ITEM ⑧ FLAT WASHER	"N"	"P"
142-0701-551	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	TEFLON	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	———	.094	.109
142-0701-552	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	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	TEFLON	———	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	.063	.125
142-0701-553	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	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	TEFLON	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	———	.063	.125
142-0701-556	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	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	TEFLON	BRONZE NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	———	.094	.109

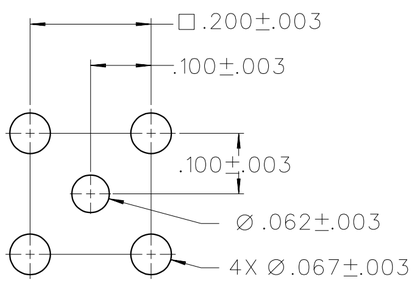


MOUNTING HOLE









MOUNTING HOLE LAYOUT

NOTES:

1. SPECIFICATIONS:
   - IMPEDANCE: 50 OHMS
   - FREQUENCY RANGE: 0-18 GHZ
   - VSWR: NOT APPLICABLE
   - 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 4.0 MILLIOHM MAX
     - OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX AFTER ENVIRONMENTAL NOT APPLICABLE
     - BRAID TO BODY - NOT APPLICABLE
   - CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
   - INSERTION LOSS: NOT APPLICABLE
   - RF LEAKAGE: NOT APPLICABLE
   - RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS AT 4 AND 7 MHZ MIN

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: NOT APPLICABLE
- CABLE HEX CRIMP SIZE: NOT APPLICABLE
- CABLE RETENTION: NOT APPLICABLE
- DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)

- THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
- OPERATING TEMPERATURE: -65 DEG C TO 165 DEG 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 - 142-0701-551/560

0	REVISIONS						
ENGINEERING RELEASE							
1	6-9-97	R H	R J B	B A			6-13-97 ECN 44766
CHANGED: ITEM 4 BRONZE LOCK-WASHER WAS BRASS WASHER, .109 WAS .125, .025 WAS .032, .094 WAS .063							
2	9-11-03	R H	R J B				ECN 47946
ADDED: 142-0701-552 AND ITEM 8 TABULATED "N" AND "P" DIMENSIONS							
********** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * **********							
2a	6-22-11	C W W	B F	R J B	M J U		6-22-11 ECO 53418
ADDED: 142-0701-553							
3	1-17-14	C W W	B F	R J B	M J U		1-17-14 ECO 54858

CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	RJB	5-12-97
.XX ———	———	CHECKED BY	DATE
.XXX±.003	———		
MATL ———		APPROVED BY RJB	DATE 6-9-97
FINISH ———		RELEASE DATE	6-13-97
		U/M INCH	SCALE 5:1

cinch CONNECTIVITY SOLUTIONS a bel group

TITLE: JACK ASSEMBLY, RA PC MOUNT BULKHEAD, SMA

SHEET 2 OF 2

DRAWING NO. C - 142-0701-551/560