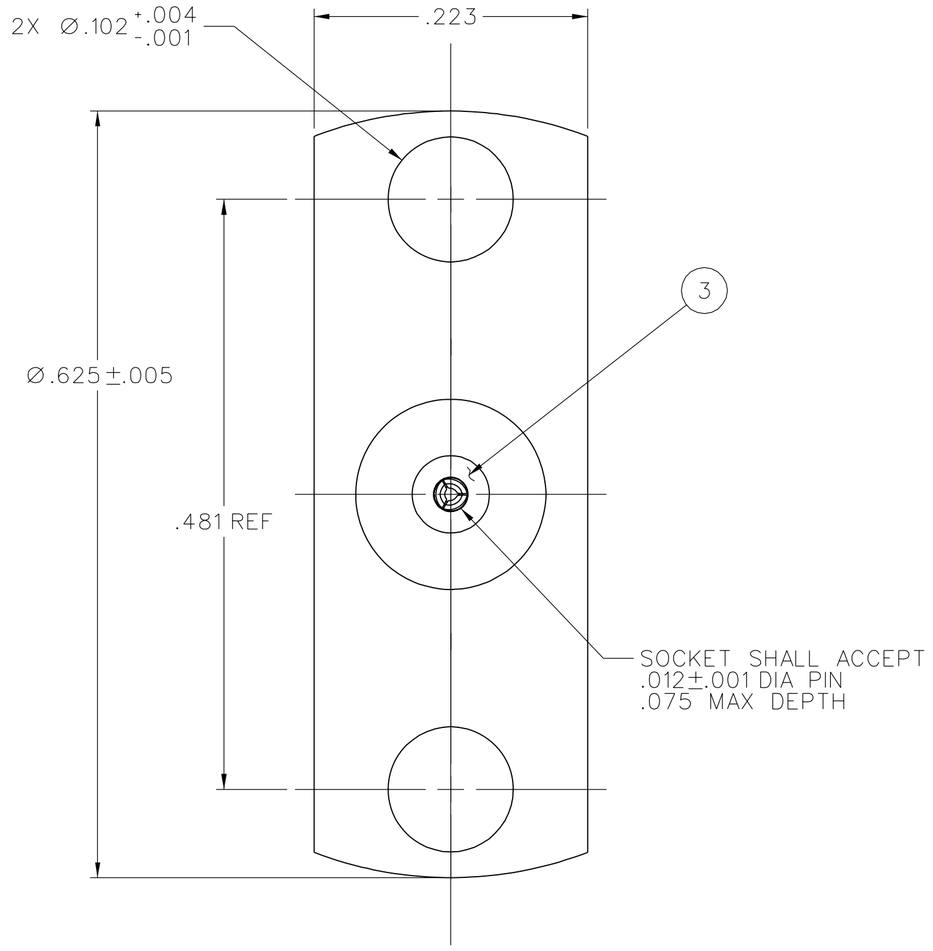
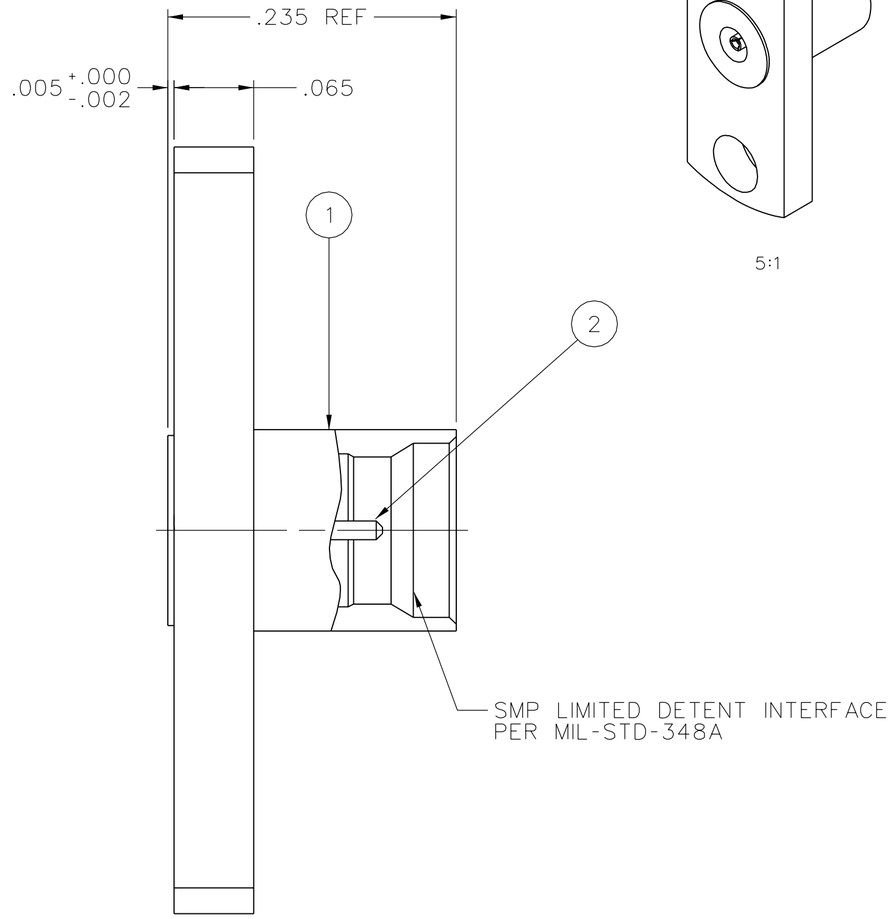
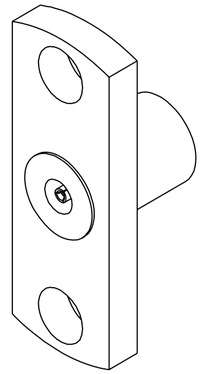
PART NUMBER	ITEM (1) BODY	ITEM (2) CONTACT	ITEM (3) INSULATOR
127-1701-612	STAINLESS STEEL PASSIVATE	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON







5:1

NOTES:

1. SPECIFICATIONS:

IMPEDENCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-18 GHz
VSWR: DEPENDANT UPON APPLICATION, TYPICALLY < 1.15
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 6.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
INSERTION LOSS: $0.10\sqrt{F}$ (GHz) dB MAX, TESTED AT 10 GHz
CORONA LEVEL: 190 VOLTS MIN AT 70,000 FEET
RF LEAKAGE: -80 dB TYPICAL, TESTED AT 2.5 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 325 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

INTERFACE DESIGN: IN ACCORDANCE WITH MIL-STD-348A, SERIES SMP
ENGAGEMENT FORCE: 10.0 LBS MAX
DISENGAGEMENT FORCE: 2.0 LBS MIN
CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE
DURABILITY: 500 CYCLES MIN (SMP INTERFACE ONLY)

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF DSCC DWG NO. 94007)
OPERATING TEMPERATURE: -65° C TO 165° C
THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B, EXCEPT 165° C HIGH TEMP
MECHANICAL SHOCK: MIL-STD-202, METHOD 213, CONDITION I
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106, EXCEPT STEP 7B OMITTED

Please read our datasheet & drawing disclaimer here.

DRAWING NO. C-127-1701-611/620

0	REVISIONS						
ENGINEERING RELEASE							
1	6-20-07	PAT	JRK	MJU	PDW	JCN	6-21-07 ECN 51095

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

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	PAT	4-9-07
.XX ———	———	CHECKED BY	DATE
.XXX ±.003	———	JRK	6-20-07
MATL ———		APPROVED BY	DATE
		PDW	6-21-07
FINISH ———		RELEASE DATE	6-21-07
		U/M INCH	SCALE 10:1

cinch CONNECTIVITY SOLUTIONS a bel group
Cinch Connectivity Solutions
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
SMP LIMITED DETENT
FIELD REPLACEABLE

SHEET 2 OF 2

DRAWING NO. C-127-1701-611/620