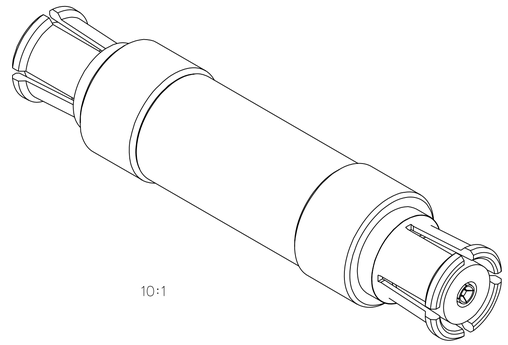
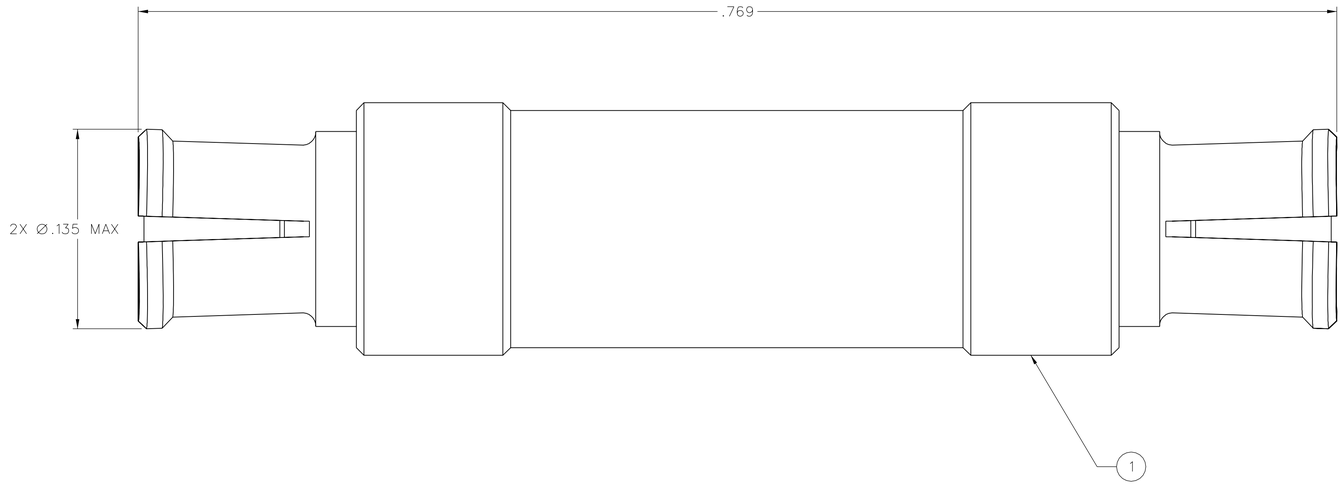
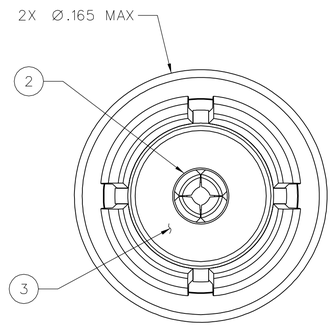
PART NUMBER	ITEM (1) BODY	ITEM (2) CONTACT	ITEM (3) 2X INSULATOR
127-0901-811	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON



10:1





NOTES:

1. SPECIFICATIONS:

IMPEDENCE: 50 OHMS NOMINAL
FREQUENCY RANGE: 0-18 GHz
VSWR: 1.10 MAX (0-4 GHz)
1.15 MAX (4-12 GHz)
1.20 MAX (12-18 GHz)
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: -65 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: 15.0 LBS MAX (FULL DETENT)
10.0 LBS MAX (LIMITED DETENT)
2.0 LBS MAX (SMOOTH BORE)
DISENGAGEMENT FORCE: 5.0 LBS MIN (FULL DETENT)
2.0 LBS MIN (LIMITED DETENT)
0.5 LBS MIN (SMOOTH BORE)
CONTACT RETENTION: 1.5 LBS MIN AXIAL FORCE
DURABILITY: 100 CYCLES MIN (FULL DETENT)
500 CYCLES MIN (LIMITED DETENT)
1000 CYCLES MIN (SMOOTH BORE)

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

DRAWING NO.
D - 127-0901-811/820

0	REVISIONS							
ENGINEERING RELEASE								
1	5-25-07	PAT	JRK	MJU	PDW	JCN	5-29-07 ECN 51023	

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	PAT	1-22-07
.XX ———	———	CHECKED BY	DATE
.XXX ±.005	———	JRK	5-25-07
MATL ———		APPROVED BY	DATE
		PDW	5-25-07
FINISH ———		RELEASE DATE	5-29-07
		U/M INCH	SCALE 20:1

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

TITLE
SMP FEMALE/FEMALE ADAPTER, .769 LONG

SHEET 2 OF 2

DRAWING NO.
D - 127-0901-811/820