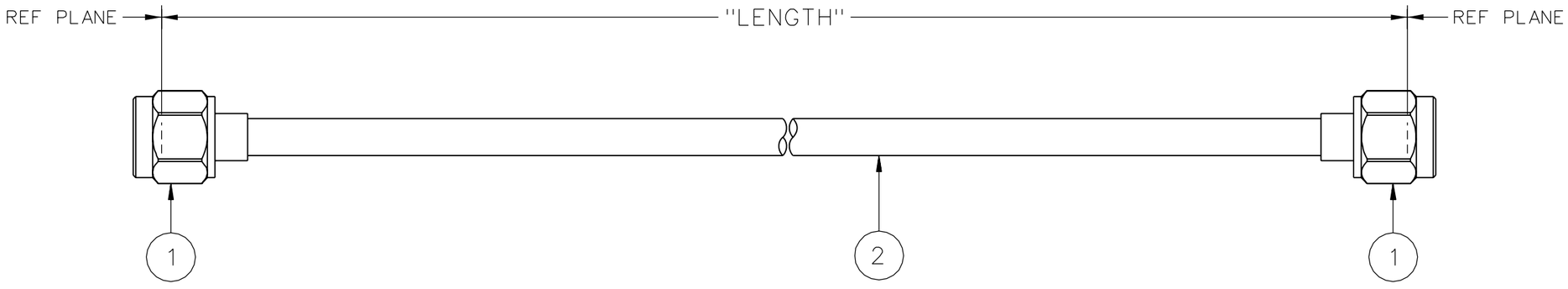
PART NUMBER	ITEM ① SMA STR SOLDER PLUG	ITEM ② CABLE
415-0082-001/999	BODY - BRASS GOLD PL .00001 MIN OVER NICKEL PL OVER COPPER PL COUPLING NUT - BRASS GOLD PL .00001 MIN OVER NICKEL PL OVER COPPER PL CONTACT - BRASS GOLD PL .00005 MIN OVER NICKEL PL OVER COPPER PL INSULATOR - TEFLON C-SPRING - BERYLLIUM COPPER UNPLATED	.141 CONFORMABLE SHIELD - TIN FILLED COPPER BRAID OVER COPPER FOIL DIELECTRIC- TEFLON CENTER CONDUCTOR - STEEL SILVER PLATED OVER COPPER PLATING

PART NUMBER	"LENGTH"	NOMINAL ELECTRICAL DELAY (nS)	INSERTION LOSS (MAX dB) Vs. FREQUENCY (GHz)						VSWR (MAX) Vs. FREQUENCY f (GHz)		
			0 TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	0 TO 1	1 TO 2	2 TO 18
415-0082-003	3.00±.05	0.36	0.09	0.13	0.19	0.24	0.34	0.43	1.06	1.10	1.1+.01f
415-0082-004	4.00±.05	0.49	0.10	0.15	0.22	0.27	0.39	0.49			
415-0082-005	5.00±.10	0.61	0.12	0.17	0.24	0.30	0.44	0.56			
415-0082-006	6.00±.10	0.73	0.13	0.18	0.27	0.34	0.49	0.62			
415-0082-007	7.00±.10	0.85	0.14	0.20	0.30	0.37	0.54	0.69			
415-0082-008	8.00±.10	0.97	0.15	0.22	0.32	0.40	0.59	0.75			
415-0082-012	12.00±.15	1.46	0.20	0.29	0.43	0.54	0.79	1.01			
415-0082-018	18.00±.15	2.19	0.27	0.39	0.59	0.74	1.09	1.40			
415-0082-024	24.00±.15	2.92	0.35	0.50	0.75	0.94	1.39	1.79			
415-0082-036	36.00±.20	4.38	0.49	0.71	1.07	1.34	1.99	2.57			
415-0082-048	48.00±.25	5.84	0.64	0.92	1.39	1.74	2.59	3.35			



NOTES:

1. SPECIFICATIONS:

   FREQUENCY: 0-18 GHz
   VSWR: (SEE P/N BLOCK)
   INSERTION LOSS: (SEE P/N BLOCK)
   DIELECTRIC WITHSTANDING VOLTAGE: 1500 VRMS
   WORKING VOLTAGE: 500 VRMS

DRAWING NO.
B-415-0082-001/999

0	REVISIONS						
ENGINEERING RELEASE							
1	9-16-05	RJB	JCN	JHZ			11-3-05 ECN 49890
VERSION UPDATE							
2	12-9-05	PAT	RJB	JHZ	JCN		12-21-05 ECN 50039
ADD CUSTOMER DRAWING							
3	7-12-06	PAT	TAK	MJU			8-15-06 ECN 50534
ADDED: 415-0082-036, 415-0082-048							
********** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * **********							
3a	3-14-08	PAT	RJB	MJU	RB	JCN	3-17-08 ECN 51415
VERSION UPDATE							
********** * REVISION NUMBER FOLLOWED BY AN ALPHA * * CHARACTER INDICATES DRAWING CLARIFI- * * CATION OR PART NUMBER ADDITION ONLY. * **********							
3b	10-17-08	PAT	RJB	MJU	RB	JCN	10-20-08 ECN 51690

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	8-17-05
.XX		CHECKED BY	DATE
.XXX		JCN	9-26-05
MATL		APPROVED BY	DATE
		JHZ	9-27-05
FINISH		RELEASE DATE	11-3-05
		U/M INCH	SCALE 2:1

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

TITLE
CABLE ASSEMBLY, STR SMA PLUG TO STR SMA PLUG, .141 CONFORMABLE

SHEET	DRAWING NO.
2 OF 2	B-415-0082-001/999