

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

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

0 REVISIONS

ENGINEERING RELEASE

1	9-16-05	RJB	JCN	JHZ	11-3-05	ECN 49890
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VERSION UPDATE

2	12-9-05	PAT	RJB	JHZ	JCN	12-21-05	ECN 50039
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ADD CUSTOMER DRAWING

3	7-12-06	PAT	TAK	MJU		8-15-06	ECN 50534
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ADDED: 415-0082-036, 415-0082-048

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\* REVISION NUMBER FOLLOWED BY AN ALPHA \*  
\* CHARACTER INDICATES DRAWING CLARIFI- \*  
\* CATION OR PART NUMBER ADDITION ONLY. \*  
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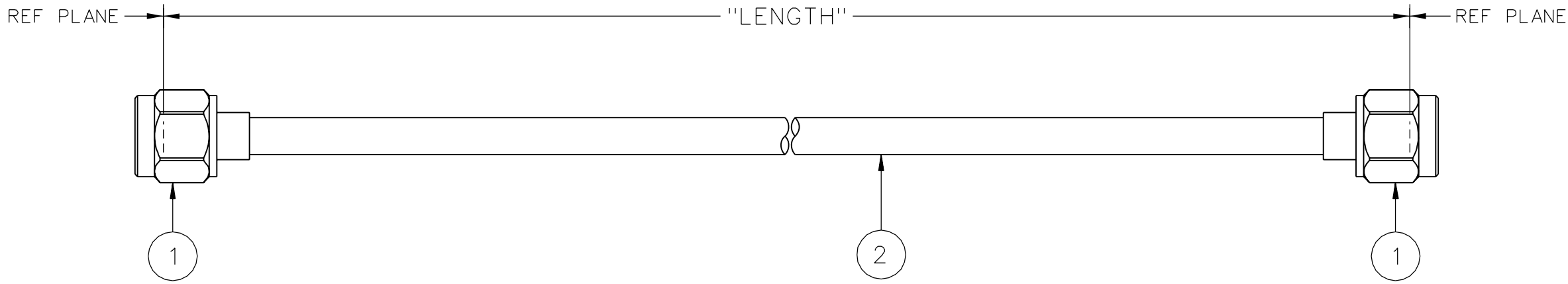
3a	3-14-08	PAT	RJB	MJU	RJB	JCN	3-17-08	ECN 51415
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VERSION UPDATE

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\* REVISION NUMBER FOLLOWED BY AN ALPHA \*  
\* CHARACTER INDICATES DRAWING CLARIFI- \*  
\* CATION OR PART NUMBER ADDITION ONLY. \*  
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3b	10-17-08	PAT	RJB	MJU	RJB	JCN	10-20-08	ECN 51690
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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			



CUSTOMER DRAWING

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

"μSTATION"

COMPANY CONFIDENTIAL

NOTES:

- 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

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY RJB	DATE 8-17-05
DECIMALS _____ mm	CHECKED BY JCN	DATE 9-26-05
.XX _____	APPROVED BY JHZ	DATE 9-27-05
.XXX _____	RELEASE DATE 11-3-05	
MATL _____	U/M INCH	SCALE 2:1
FINISH _____		

 **Cinch** Connectivity Solutions  
 P.O. Box 1732  
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TITLE  
CABLE ASSEMBLY, STR SMA PLUG TO STR SMA PLUG, .141 CONFORMABLE

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