

EXHIBIT 4

SCHEMATIC DIAGRAMS

Exhibit 4 to this application is enclosed under a separate cover of Exhibit 7. As explained in the letter accompanying Exhibit 7, Symbol Technologies Inc., requests the Commission withhold Exhibit 4 from public disclosure because it contains trade secrets and confidential commercial information valuable to Symbol Technologies

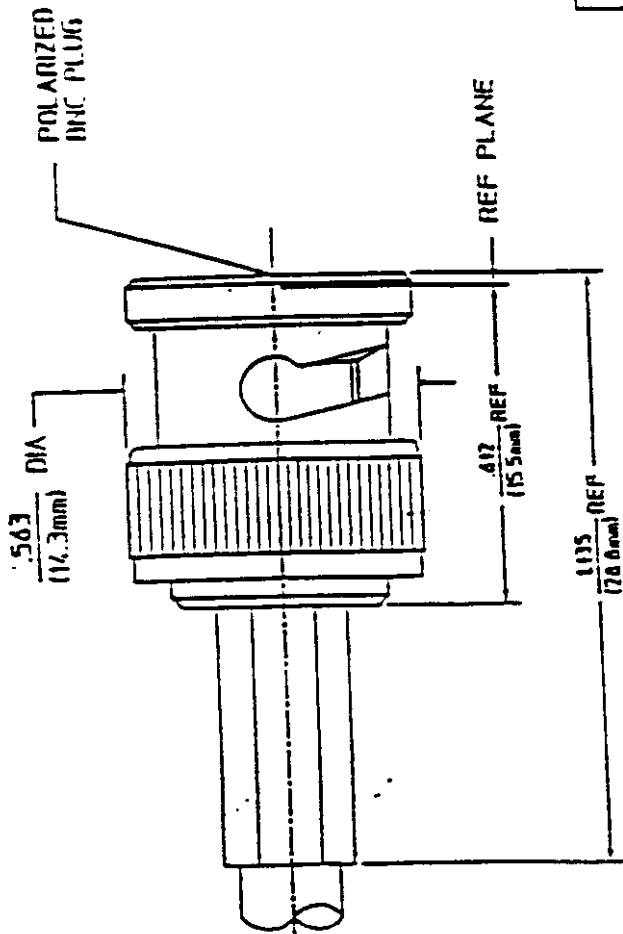
DESIGNED FOR USE WITH		REVISIONS	
FUJIKURA 0.80-DEW CABLE		REV	DESCRIPTION
CABLE ENTRY DIAMETER		REV	DATE
MINIMUM		3	3/3/94
CRIMP SLEEVE	.017	UNRELEASED	
INNER SLEEVE	.056		
CONTACT	.013		

COMPONENT	MATERIAL	FINISH
HOUSING HOUSING NUT LOCKWASHER SLEEVE	BRASS PER ASTM-B-16, HALF HARD	NICKEL PLATE PER 00-N-290
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A
INSULATOR, REAR	DELIN AF PER LP-392A	N/A
SHRINK TUBING	HEAT SHRINKABLE POLYOLEFIN COMPOUND PER MIL-I-23053/4	N/A

MATERIAL		FINISH	
ORDER BY: J. C. Connolly ORDERED BY: J. C. Connolly DATE: 10/6/94		M/ACCOM N/A-COM Interconnect Division Waltham, Massachusetts 02254 INTERCONNECT DIVISION	
TITLE (POLARIZED) BNC STRAIGHT BULKHEAD CABLE JACK CRIMP ATTACHMENT		REV: B DATE: 26805 SCALE: 4 : 1 SHEET 1 OF 1	

USE ASSY PROCEDURE
 143 AT 32-049

NOTES:
1. CAPTURED CENTER CONTACT

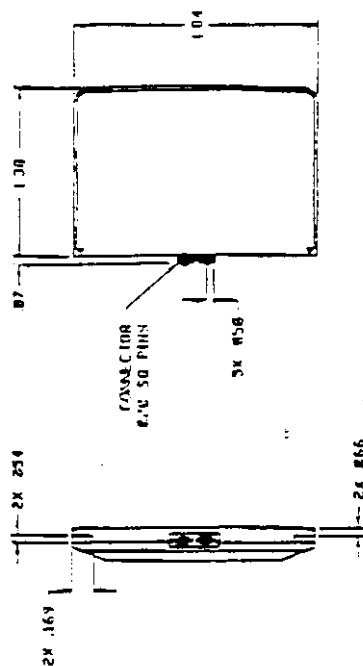
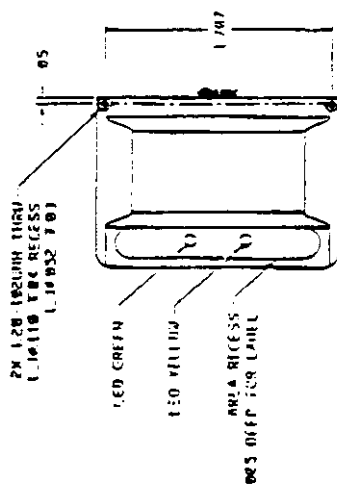


BODY PARTS	BRASS	MATERIAL	FINISH
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457		
CENTER CONTACT	NIOXYLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H		
BRIGHT NICKEL OVER COPPER		N/A	
GOLD PLATE PER HIL-G-45204 OVER COPPER PLATE PER HIL-C-14550			
COMPONENT		M/A-COM	
UNLESS OTHERWISE SPECIFIED TOLERANCES ARE IN INCHES FRACTIONS DECIMALS MILLIMETERS		DATE 07/15/94 BY S. Moly	
TITLE BNC CABLE PLUG (POLARIZED) CHOMP ATTACHMENT		M/A-COM MILWAUKEE DIVISION	
DESIGNED FOR USE WITH HD-50 CABLE CABLE ENTRY DIAMETER 0.000 (0.00)		HIL-G-45204	
CONTACT MATERIALS		1.135 (28.8mm)	
SLEEVE		.417 (10.5mm)	

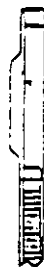
DESIGNED FOR USE WITH	HD-50 CABLE
CABLE ENTRY DIAMETER	0.000 (0.00)
CONTACT	MATERIALS
SLEEVE	1.135 (28.8mm)

#7

May 16 1996



114341 10' 111 3 114341



AFTER ENGAGEMENT

SPECIFICATIONS

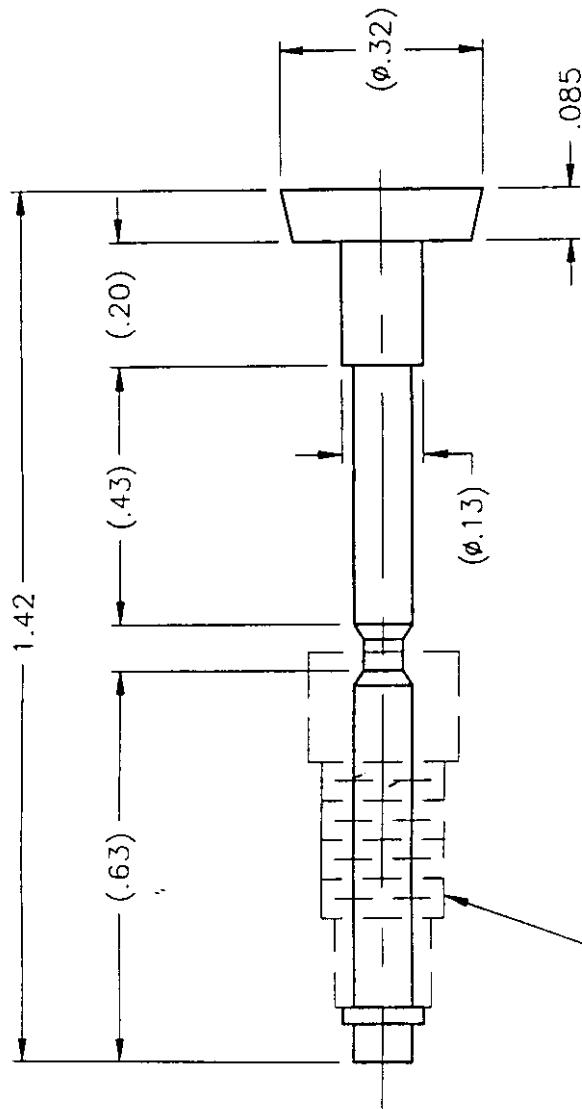
FREQUENCY: 2 6-2 495 GHz
VSUR: 2-1
GAIN: 0 DBI NCH
SURFACE TEXTURE: M-1100A
000A 001 BLACK

 END CAP ANTENNA (PCMICA) TYPE 505068E	END CAP ANTENNA (PCMICA) TYPE 505068E	END CAP ANTENNA (PCMICA) TYPE 505068E
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NOTES : 00111 000000 000000

REV	DESCRIPTION	DATE	APPROVED
-	PRELIMINARY PER ER 6385-10		

#8



NOTES:

ELECTRICAL

- FREQUENCY 2.4 / 2.5 GHz
- IMPEDANCE 50 ohms
- VSWR 2.0 : 1 MAX.
- POLARIZATION LINEAR
- GAIN 0 dBi

MECHANICAL:

- STRUCTURE SPRING WIRE
- FINISH BLACK NICKEL & BLACK PLASTIC TUBES

M5 X .5 PITCH THREAD

#8

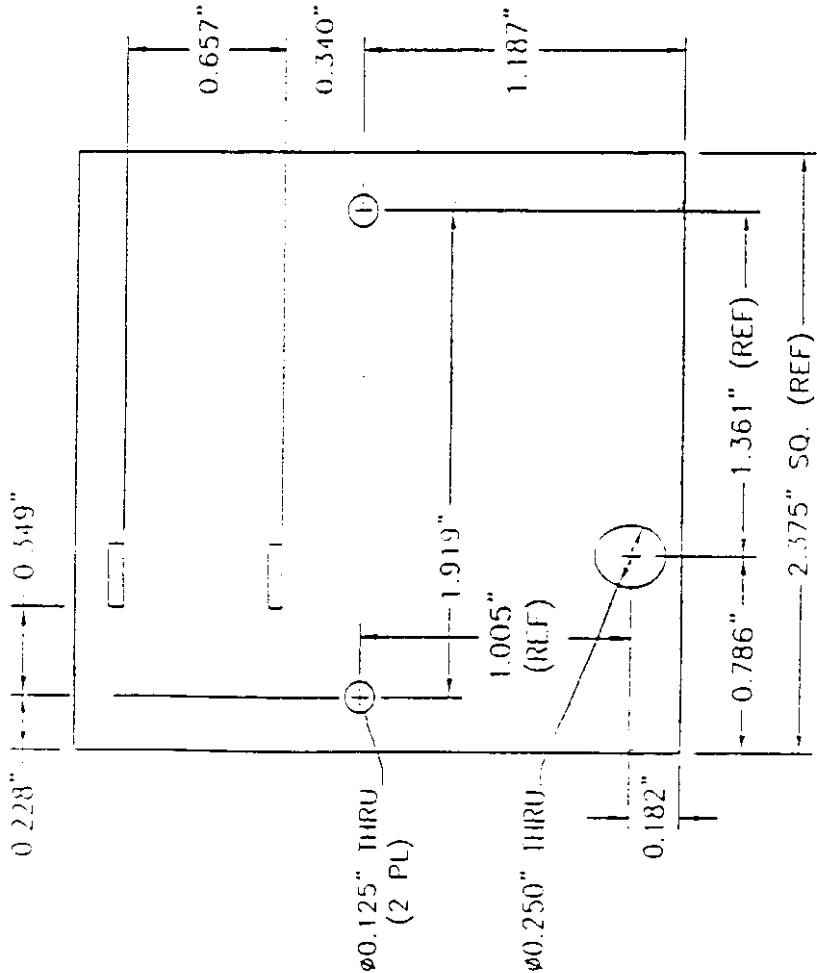
DORNE & MARGOLIN, INC.
2950 VETERANS MEMORIAL HWY. BOHEMA, N.Y. 11716

DM DR10-3 2.4Ghz WHIP
(DATA RELAY ANTENNA)

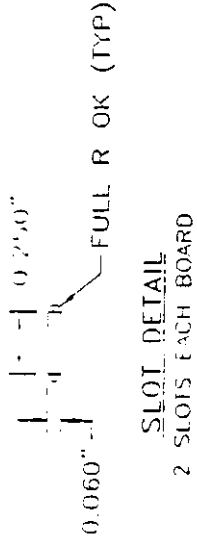
	TOLERANCES		DWN	JJ BARBERA	5-15-97
	LINEAR	ANGULAR	CHK	M. COHEN	5-15-97
	X ±.1	± 0°30'	APPROVED		
	XX ±.03				
	XXX ±.010				
	MATERIAL:		ME	B. ROVINSKY	5-15-97
			EE	M. KHOSRAVI	5-15-97
			MFR	R. BELLASSAI	5-15-97
			QA	C. NILSON	5-15-97
			PROD	D. LEE	5-15-97
	NEXT ASSY	USED ON			
THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO DORNE & MARGOLIN, INC. CUSTOMERS MAY NOT REPRODUCE OR USE IN ANY MANNER WITHOUT WRITTEN PERMISSION OF DORNE & MARGOLIN, INC.					

SIZE	CAGE CODE	DWG No.	REV
B	85226	261B2433	-
SCALE: 4/1		SHEET 1 OF 1	

REVISIONS		
REV	CO P	DESCRIPTION
A		Revised location of Ø0.250" hole
		ISSUE DATE 1/30/98
		APPROVED WOB



IMPEDENCE: 50 ohm
 GAN: 3 dbi



VOCOLLECT PART NO. 656022 (PRINTED SIDE)
 (FOR REF. ONLY - PART IS MARKED AS PT#209215)
 HOLE & SLOT DIMS & LOCATIONS SAME AS FOR PART NO. 656021

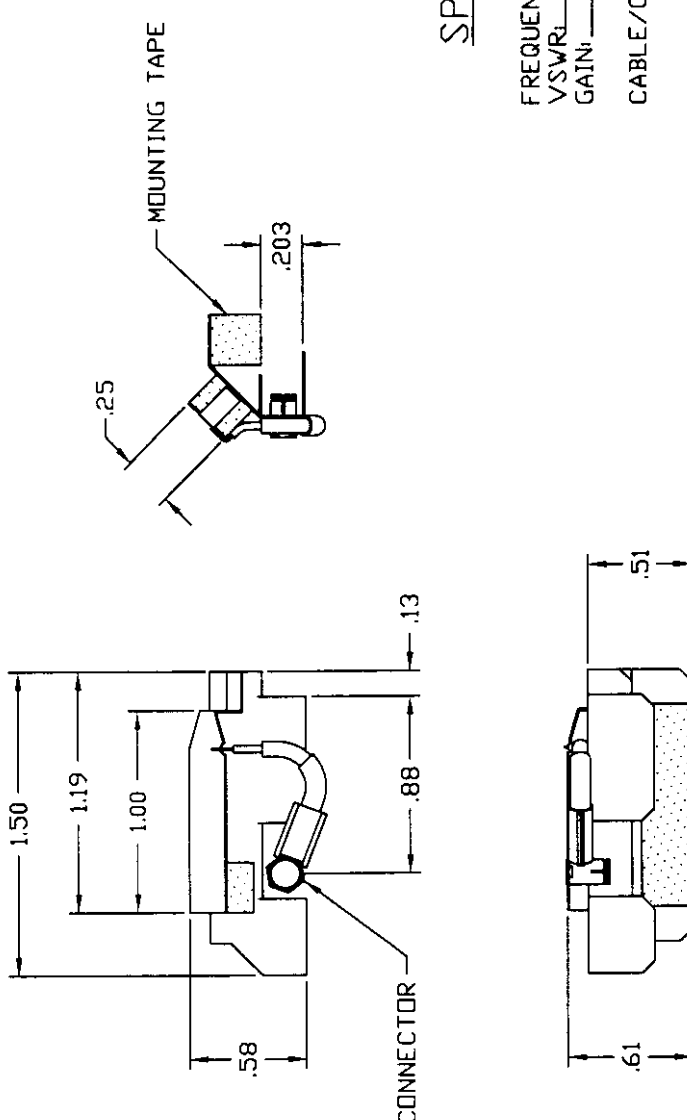
#16

PRODUCTION

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS UNLESS OTHERWISE SPECIFIED FRACTIONS ARE IN 16THS OF AN INCH TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS ARE IN 16THS OF AN INCH DECIMALS ARE IN 10THS OF AN INCH		ALL DIMENSIONS ARE SHOWN UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS UNLESS OTHERWISE SPECIFIED FRACTIONS ARE IN 16THS OF AN INCH TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS ARE IN 16THS OF AN INCH DECIMALS ARE IN 10THS OF AN INCH	
DATE	6/16/97	APPROVALS	DATE
DRAWN	W. BOEHMER	CHECKED	
APPROVED		APPROVED	
APPROVED		APPROVED	
DO NOT SCALE DRAWING			

VOCOLLECT, INC. 701 Ross Road Pittsburgh, PA 15235	
MERCURY VTC303 ANTENNA PC BOARD HOLES & SLOTS	
SIZE B	DRAWING NO. VC06B007
SCALE 2:1	C-0 FILE 06B07P1A
SHEET 1 OF 1	REV P1

LIMITED RIGHTS LEGEND		REVISIONS	
CONTRACT NO. 1		ZONE	LTR
CONTRACTOR: TECOM INDUSTRIES, INC.		DESCRIPTION	
EXPLANATION OF LIMITED RIGHTS DATA INDICATION USED		REVISED & REDRAWN	
LIMITED RIGHTS APPLY TO ENTIRE DRAWING		DATE	
THE RESTRICTIONS GOVERNING THE USE OF TECHNICAL DATA MARKED WITH THIS		12-5-97	
LEGEND ARE SET FORTH IN THE DEFINITION OF LIMITED RIGHTS IN DEPARTMENT OF		DBL	
DEFENSE ACQUISITION REGULATION (DAR) 4.1		VD 4690	
THIS DRAWING IS THE PROPERTY OF THE GOVERNMENT AND IS TO BE USED ONLY FOR THE			
PURPOSE FOR WHICH IT WAS SUPPLIED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED			
IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING,			
REPRODUCTION HEREOF WHICH INCLUDES ANY PART OF THE PORTIONS SUBJECT			
TO SUCH LIMITED RIGHTS.			



SPECIFICATIONS

FREQUENCY: 2400-2485 MHz
 VSWR: 2:1
 GAIN: 0dbi NOMINAL
 CABLE/CONNECTOR: TECOM 817283-11
 MXYH62XXXXXXX

13

TECOM INDUSTRIES INC. 9324 TORRANCE CIRCLE, BLDG. 200, TORRANCE, CA 91311 TECHNICAL EXCELLENCE COMMITTED TO QUALITY		TITLE ANTENNA, 2.4 GHZ TYPE 505087E																			
SIZE C	CAGE CODE 52791	DWG NO 703340	SCALE 2/1																		
DATE 4-24-97	CHKD BY D.B. FRANK	DATE 4-24-97	CHKD BY JK																		
CONTRACT NUMBER CONTRACTOR	CHECKER GR	ENGR BI	ENGR ENGR																		
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: .001 MACHINED SURFACE ROUGHNESS 125 REMOVE BURRS, SHARP EDGES R.005-.015 MACHINED FILLETS R.005-.015 UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE TO CENTERLINE MACHINED DATA ON COMMON CENTERLINE CONCENTRIC WITHIN .005 TIR INTERPRET PER ANSI Y14.5M-1982.		HOLE TOLERANCES: <table border="1"> <tr> <td>.040 - .125</td> <td>+.003</td> <td>-.001</td> <td>.515 - .750</td> <td>+.008</td> <td>-.001</td> </tr> <tr> <td>.136 - .228</td> <td>+.004</td> <td>-.001</td> <td>.765 - 1.000</td> <td>+.010</td> <td>-.002</td> </tr> <tr> <td>.234 - .500</td> <td>+.006</td> <td>-.001</td> <td>1.031 UP</td> <td>+.015</td> <td>-.002</td> </tr> </table>		.040 - .125	+.003	-.001	.515 - .750	+.008	-.001	.136 - .228	+.004	-.001	.765 - 1.000	+.010	-.002	.234 - .500	+.006	-.001	1.031 UP	+.015	-.002
.040 - .125	+.003	-.001	.515 - .750	+.008	-.001																
.136 - .228	+.004	-.001	.765 - 1.000	+.010	-.002																
.234 - .500	+.006	-.001	1.031 UP	+.015	-.002																
PMIC		APPROVAL																			
(PAGER)		821694																			
4619		USED ON																			
NEXT ASSY		SCALE																			
NOTES: UNLESS OTHERWISE SPECIFIED		SHEET 1 OF 1																			

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17.

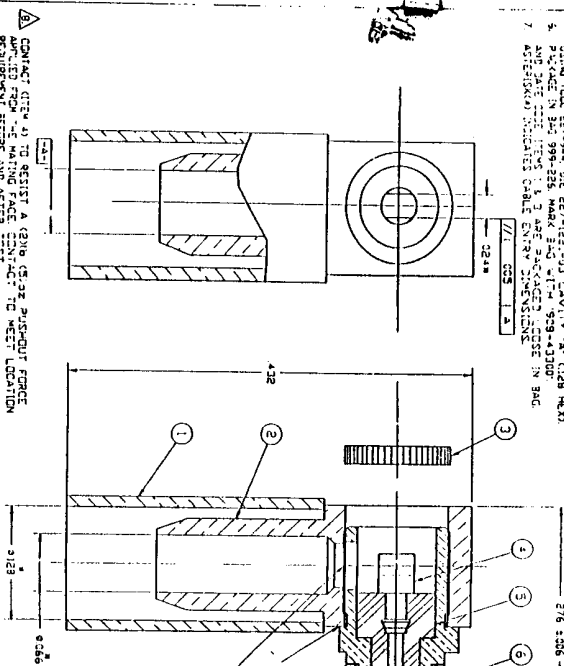
3200
JENOL

AMF
908-43300
95/111

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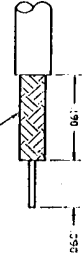


1. PLANS - ALL DRAWINGS, ELEVATIONS AND OTHERS
2. NOTES - ALL WRITTEN INSTRUCTIONS
3. DETAILS - ALL DETAIL DRAWINGS
4. SECTION - ALL SECTION DRAWINGS
5. PLANNING - ALL PLANNING DRAWINGS
6. CONSTRUCTION - ALL CONSTRUCTION DRAWINGS
7. CONTRACT - ALL CONTRACT DOCUMENTS
8. PERMITS - ALL PERMIT APPLICATIONS
9. AS-BUILT - ALL AS-BUILT DRAWINGS
10. FINAL - ALL FINAL DRAWINGS
11. REVISIONS - ALL REVISIONS
12. ADDENDUMS - ALL ADDENDUMS
13. CHANGE ORDERS - ALL CHANGE ORDERS
14. PROPOSALS - ALL PROPOSALS
15. BOBILLS - ALL BOBILLS
16. INVOICES - ALL INVOICES
17. STATEMENTS - ALL STATEMENTS
18. REPORTS - ALL REPORTS
19. MEMORANDUMS - ALL MEMORANDUMS
20. LETTERS - ALL LETTERS
21. NOTES - ALL NOTES
22. SKETCHES - ALL SKETCHES
23. PHOTOS - ALL PHOTOS
24. VIDEO - ALL VIDEO
25. AUDIO - ALL AUDIO
26. INTERVIEWS - ALL INTERVIEWS
27. DEPOSITIONS - ALL DEPOSITIONS
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100. EXHIBITS - ALL EXHIBITS

9 CONTACT (ITEM 4) TO RESIST A (20)lb PUSHOUT FORCE APPLIED FROM THE MATING FACE. CONTACT TO MEET LOCATION REQUIREMENT BEFORE AND AFTER TEST.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND DECIMALS ARE
 1/16 INCHES
 0.010 (0.25 mm)
 0.005 (0.127 mm)

INSULATOR LOCATED #410
WITH RESPECT TO STEP ON BODY
BODY (ITEM 7) MUST BOTTOM
HERE IN CASE BODY (ITEM 2)
LOOSES ON (ITEM 2) AND (ITEM 7) MUST BE
ADJUSTED SO IT CAN MUST PASS THROUG-
(ITEM 2) AND (ITEM 7).



DATE	NUMBER	TYPE	DESCRIPTION	THRU
908-700-42	1	7	30Y	INTE 4
908-702-42	1	5	SPRING RING	INTE 4
908-703	1	5	INST. A/C	INTE 4
908-704-42	1	4	INTE. CONTACT	INTE 4
908-705-51	1	3	CAP	INTE 4
908-707-51	1	2	C-3E 30Y	INTE 4
91-1357-15861	1	1	2-3E RING	INTE 4
			055-28-30N	
			THRU	THRU

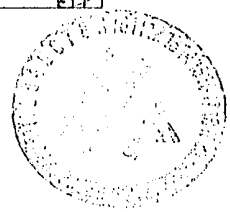
MICROMATE PLUG
RIGHT ANGLE CRIMP
TO RG316 CABLE

Amphenol

Atromental Corporation
Fib./Microvare Operations
Dorsey, Conn. U.S.A. 06810

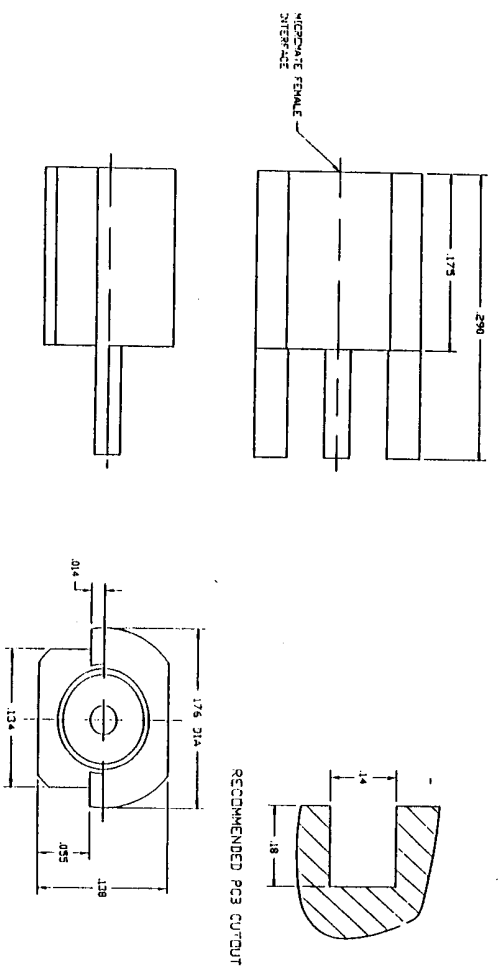
[illegible]

908-43300		REVIEWS	
DATE	BY	DESCRIPTION	DATE
3-29-95	40413	OFF CLK ENG RELEASE TO WFO	01/17



AMPHENOL
908-22100
95/23
4810713

1. DO NOT SCALE THIS DRAWING
2. MATERIALS OF CONSTRUCTION
3. SURFACE FINISH
4. DIMENSIONS - SEE
5. DIMENSIONS - SEE
6. DIMENSIONS - SEE
7. DIMENSIONS - SEE
8. DIMENSIONS - SEE
9. DIMENSIONS - SEE
10. DIMENSIONS - SEE



RECOMMENDED PC3 CUTOUT

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:		MATERIAL	
0.005 (0.127 mm)	0.002 (0.051 mm)	AL-6061	
0.010 (0.254 mm)	0.005 (0.127 mm)	AL-7075	
0.015 (0.381 mm)	0.010 (0.254 mm)	AL-7075-T6	
0.020 (0.508 mm)	0.015 (0.381 mm)	AL-7075-T6	
0.030 (0.762 mm)	0.020 (0.508 mm)	AL-7075-T6	
0.040 (1.016 mm)	0.030 (0.762 mm)	AL-7075-T6	
0.050 (1.270 mm)	0.040 (1.016 mm)	AL-7075-T6	
0.060 (1.524 mm)	0.050 (1.270 mm)	AL-7075-T6	
0.070 (1.778 mm)	0.060 (1.524 mm)	AL-7075-T6	
0.080 (2.032 mm)	0.070 (1.778 mm)	AL-7075-T6	
0.090 (2.286 mm)	0.080 (2.032 mm)	AL-7075-T6	
0.100 (2.540 mm)	0.090 (2.286 mm)	AL-7075-T6	
0.120 (3.048 mm)	0.100 (2.540 mm)	AL-7075-T6	
0.150 (3.810 mm)	0.120 (3.048 mm)	AL-7075-T6	
0.200 (5.080 mm)	0.150 (3.810 mm)	AL-7075-T6	
0.250 (6.350 mm)	0.200 (5.080 mm)	AL-7075-T6	
0.300 (7.620 mm)	0.250 (6.350 mm)	AL-7075-T6	
0.400 (10.160 mm)	0.300 (7.620 mm)	AL-7075-T6	
0.500 (12.700 mm)	0.400 (10.160 mm)	AL-7075-T6	
0.600 (15.240 mm)	0.500 (12.700 mm)	AL-7075-T6	
0.750 (19.050 mm)	0.600 (15.240 mm)	AL-7075-T6	
1.000 (25.400 mm)	0.750 (19.050 mm)	AL-7075-T6	
1.250 (31.750 mm)	1.000 (25.400 mm)	AL-7075-T6	
1.500 (38.100 mm)	1.250 (31.750 mm)	AL-7075-T6	
2.000 (50.800 mm)	1.500 (38.100 mm)	AL-7075-T6	
2.500 (63.500 mm)	2.000 (50.800 mm)	AL-7075-T6	
3.000 (76.200 mm)	2.500 (63.500 mm)	AL-7075-T6	
4.000 (101.600 mm)	3.000 (76.200 mm)	AL-7075-T6	
5.000 (127.000 mm)	4.000 (101.600 mm)	AL-7075-T6	
6.000 (152.400 mm)	5.000 (127.000 mm)	AL-7075-T6	
7.500 (190.500 mm)	6.000 (152.400 mm)	AL-7075-T6	
10.000 (254.000 mm)	7.500 (190.500 mm)	AL-7075-T6	
12.500 (317.500 mm)	10.000 (254.000 mm)	AL-7075-T6	
15.000 (381.000 mm)	12.500 (317.500 mm)	AL-7075-T6	
20.000 (508.000 mm)	15.000 (381.000 mm)	AL-7075-T6	
25.000 (635.000 mm)	20.000 (508.000 mm)	AL-7075-T6	
30.000 (762.000 mm)	25.000 (635.000 mm)	AL-7075-T6	
40.000 (1016.000 mm)	30.000 (762.000 mm)	AL-7075-T6	
50.000 (1270.000 mm)	40.000 (1016.000 mm)	AL-7075-T6	
60.000 (1524.000 mm)	50.000 (1270.000 mm)	AL-7075-T6	
75.000 (1905.000 mm)	60.000 (1524.000 mm)	AL-7075-T6	
100.000 (2540.000 mm)	75.000 (1905.000 mm)	AL-7075-T6	
125.000 (3175.000 mm)	100.000 (2540.000 mm)	AL-7075-T6	
150.000 (3810.000 mm)	125.000 (3175.000 mm)	AL-7075-T6	
200.000 (5080.000 mm)	150.000 (3810.000 mm)	AL-7075-T6	
250.000 (6350.000 mm)	200.000 (5080.000 mm)	AL-7075-T6	
300.000 (7620.000 mm)	250.000 (6350.000 mm)	AL-7075-T6	
400.000 (10160.000 mm)	300.000 (7620.000 mm)	AL-7075-T6	
500.000 (12700.000 mm)	400.000 (10160.000 mm)	AL-7075-T6	
600.000 (15240.000 mm)	500.000 (12700.000 mm)	AL-7075-T6	
750.000 (19050.000 mm)	600.000 (15240.000 mm)	AL-7075-T6	
1000.000 (25400.000 mm)	750.000 (19050.000 mm)	AL-7075-T6	
1250.000 (31750.000 mm)	1000.000 (25400.000 mm)	AL-7075-T6	
1500.000 (38100.000 mm)	1250.000 (31750.000 mm)	AL-7075-T6	
2000.000 (50800.000 mm)	1500.000 (38100.000 mm)	AL-7075-T6	
2500.000 (63500.000 mm)	2000.000 (50800.000 mm)	AL-7075-T6	
3000.000 (76200.000 mm)	2500.000 (63500.000 mm)	AL-7075-T6	
4000.000 (101600.000 mm)	3000.000 (76200.000 mm)	AL-7075-T6	
5000.000 (127000.000 mm)	4000.000 (101600.000 mm)	AL-7075-T6	
6000.000 (152400.000 mm)	5000.000 (127000.000 mm)	AL-7075-T6	
7500.000 (190500.000 mm)	6000.000 (152400.000 mm)	AL-7075-T6	
10000.000 (254000.000 mm)	7500.000 (190500.000 mm)	AL-7075-T6	
12500.000 (317500.000 mm)	10000.000 (254000.000 mm)	AL-7075-T6	
15000.000 (381000.000 mm)	12500.000 (317500.000 mm)	AL-7075-T6	
20000.000 (508000.000 mm)	15000.000 (381000.000 mm)	AL-7075-T6	
25000.000 (635000.000 mm)	20000.000 (508000.000 mm)	AL-7075-T6	
30000.000 (762000.000 mm)	25000.000 (635000.000 mm)	AL-7075-T6	
40000.000 (1016000.000 mm)	30000.000 (762000.000 mm)	AL-7075-T6	
50000.000 (1270000.000 mm)	40000.000 (1016000.000 mm)	AL-7075-T6	
60000.000 (1524000.000 mm)	50000.000 (1270000.000 mm)	AL-7075-T6	
75000.000 (1905000.000 mm)	60000.000 (1524000.000 mm)	AL-7075-T6	
100000.000 (2540000.000 mm)	75000.000 (1905000.000 mm)	AL-7075-T6	
125000.000 (3175000.000 mm)	100000.000 (2540000.000 mm)	AL-7075-T6	
150000.000 (3810000.000 mm)	125000.000 (3175000.000 mm)	AL-7075-T6	
200000.000 (5080000.000 mm)	150000.000 (3810000.000 mm)	AL-7075-T6	
250000.000 (6350000.000 mm)	200000.000 (5080000.000 mm)	AL-7075-T6	
300000.000 (7620000.000 mm)	250000.000 (6350000.000 mm)	AL-7075-T6	
400000.000 (10160000.000 mm)	300000.000 (7620000.000 mm)	AL-7075-T6	
500000.000 (12700000.000 mm)	400000.000 (10160000.000 mm)	AL-7075-T6	
600000.000 (15240000.000 mm)	500000.000 (12700000.000 mm)	AL-7075-T6	
750000.000 (19050000.000 mm)	600000.000 (15240000.000 mm)	AL-7075-T6	
1000000.000 (25400000.000 mm)	750000.000 (19050000.000 mm)	AL-7075-T6	
1250000.000 (31750000.000 mm)	1000000.000 (25400000.000 mm)	AL-7075-T6	
1500000.000 (38100000.000 mm)	1250000.000 (31750000.000 mm)	AL-7075-T6	
2000000.000 (50800000.000 mm)	1500000.000 (38100000.000 mm)	AL-7075-T6	
2500000.000 (63500000.000 mm)	2000000.000 (50800000.000 mm)	AL-7075-T6	
3000000.000 (76200000.000 mm)	2500000.000 (63500000.000 mm)	AL-7075-T6	
4000000.000 (101600000.000 mm)	3000000.000 (76200000.000 mm)	AL-7075-T6	
5000000.000 (127000000.000 mm)	4000000.000 (101600000.000 mm)	AL-7075-T6	
6000000.000 (152400000.000 mm)	5000000.000 (127000000.000 mm)	AL-7075-T6	
7500000.000 (190500000.000 mm)	6000000.000 (152400000.000 mm)	AL-7075-T6	
10000000.000 (254000000.000 mm)	7500000.000 (190500000.000 mm)	AL-7075-T6	
12500000.000 (317500000.000 mm)	10000000.000 (254000000.000 mm)	AL-7075-T6	
15000000.000 (381000000.000 mm)	12500000.000 (317500000.000 mm)	AL-7075-T6	
20000000.000 (508000000.000 mm)	15000000.000 (381000000.000 mm)	AL-7075-T6	
25000000.000 (635000000.000 mm)	20000000.000 (508000000.000 mm)	AL-7075-T6	
30000000.000 (762000000.000 mm)	25000000.000 (635000000.000 mm)	AL-7075-T6	
40000000.000 (1016000000.000 mm)	30000000.000 (762000000.000 mm)	AL-7075-T6	
50000000.000 (1270000000.000 mm)	40000000.000 (1016000000.000 mm)	AL-7075-T6	
60000000.000 (1524000000.000 mm)	50000000.000 (1270000000.000 mm)	AL-7075-T6	
75000000.000 (1905000000.000 mm)	60000000.000 (1524000000.000 mm)	AL-7075-T6	
100000000.000 (2540000000.000 mm)	75000000.000 (1905000000.000 mm)	AL-7075-T6	
125000000.000 (3175000000.000 mm)	100000000.000 (2540000000.000 mm)	AL-7075-T6	
150000000.000 (3810000000.000 mm)	125000000.000 (3175000000.000 mm)	AL-7075-T6	
200000000.000 (5080000000.000 mm)	150000000.000 (3810000000.000 mm)	AL-7075-T6	
250000000.000 (6350000000.000 mm)	200000000.000 (5080000000.000 mm)	AL-7075-T6	
300000000.000 (7620000000.000 mm)	250000000.000 (6350000000.000 mm)	AL-7075-T6	
400000000.000 (10160000000.000 mm)	300000000.000 (7620000000.000 mm)	AL-7075-T6	
500000000.000 (12700000000.000 mm)	400000000.000 (10160000000.000 mm)	AL-7075-T6	
600000000.000 (15240000000.000 mm)	500000000.000 (12700000000.000 mm)	AL-7075-T6	
750000000.000 (19050000000.000 mm)	600000000.000 (15240000000.000 mm)	AL-7075-T6	
1000000000.000 (25400000000.000 mm)	750000000.000 (19050000000.000 mm)	AL-7075-T6	
1250000000.000 (31750000000.000 mm)	1000000000.000 (25400000000.000 mm)	AL-7075-T6	
1500000000.000 (38100000000.000 mm)	1250000000.000 (31750000000.000 mm)	AL-7075-T6	
2000000000.000 (50800000000.000 mm)	1500000000.000 (38100000000.000 mm)	AL-7075-T6	
2500000000.000 (63500000000.000 mm)	2000000000.000 (50800000000.000 mm)	AL-7075-T6	
3000000000.000 (76200000000.000 mm)	2500000000.000 (63500000000.000 mm)	AL-7075-T6	
4000000000.000 (101600000000.000 mm)	3000000000.000 (76200000000.000 mm)	AL-7075-T6	
5000000000.000 (127000000000.000 mm)	4000000000.000 (101600000000.000 mm)	AL-7075-T6	
6000000000.000 (152400000000.000 mm)	5000000000.000 (127000000000.000 mm)	AL-7075-T6	
7500000000.000 (190500000000.000 mm)	6000000000.000 (152400000000.000 mm)	AL-7075-T6	
10000000000.000 (254000000000.000 mm)	7500000000.000 (190500000000.000 mm)	AL-7075-T6	
12500000000.000 (317500000000.000 mm)	10000000000.000 (254000000000.000 mm)	AL-7075-T6	
15000000000.000 (381000000000.000 mm)	12500000000.000 (317500000000.000 mm)	AL-7075-T6	
20000000000.000 (508000000000.000 mm)	15000000000.000 (381000000000.000 mm)	AL-7075-T6	
25000000000.000 (635000000000.000 mm)	20000000000.000 (508000000000.000 mm)	AL-7075-T6	
30000000000.000 (762000000000.000 mm)	25000000000.000 (635000000000.000 mm)	AL-7075-T6	
40000000000.000 (1016000000000.000 mm)	30000000000.000 (762000000000.000 mm)	AL-7075-T6	
50000000000.000 (1270000000000.000 mm)	40000000000.000 (1016000000000.000 mm)	AL-7075-T6	
60000000000.000 (1524000000000.000 mm)	50000000000.000 (1270000000000.000 mm)	AL-7075-T6	
75000000000.000 (1905000000000.000 mm)	60000000000.000 (1524000000000.000 mm)	AL-7075-T6	
100000000000.000 (2540000000000.000 mm)	75000000000.000 (1905000000000.000 mm)	AL-7075-T6	
125000000000.000 (3175000000000.000 mm)	100000000000.000 (2540000000000.000 mm)	AL-7075-T6	
150000000000.000 (3810000000000.000 mm)	125000000000.000 (3175000000000.000 mm)	AL-7075-T6	
200000000000.000 (5080000000000.000 mm)	150000000000.000 (3810000000000.000 mm)	AL-7075-T6	
250000000000.000 (6350000000000.000 mm)	200000000000.000 (5080000000000.000 mm)	AL-7075-T6	
300000000000.000 (7620000000000.000 mm)	250000000000.000 (6350000000000.000 mm)	AL-7075-T6	
400000000000.000 (10160000000000.000 mm)	300000000000.000 (7620000000000.000 mm)	AL-7075-T6	
500000000000.000 (12700000000000.000 mm)	400000000000.000 (10160000000000.000 mm)	AL-7075-T6	
600000000000.000 (15240000000000.000 mm)	500000000000.000 (12700000000000.000 mm)	AL-7075-T6	
750000000000.000 (19050000000000.000 mm)	600000000000.000 (15240000000000.000 mm)	AL-7075-T6	
1000000000000.000 (25400000000000.000 mm)	750000000000.000 (19050000000000.000 mm)	AL-7075-T6	
1250000000000.000 (31750000000000.000 mm)	1000000000000.000 (25400000000000.000 mm)	AL-7075-T6	
1500000000000.000 (38100000000000.000 mm)	1250000000000.000 (31750000000000.000 mm)	AL-7075-T6	
2000000000000.000 (50800000000000.000 mm)	1500000000000.000 (38100000000000.000 mm)	AL-7075-T6	
2500000000000.000 (63500000000000.000 mm)	2000000000000.000 (50800000000000.000 mm)	AL-7075-T6	
3000000000000.000 (76200000000000.000 mm)	2500000000000.000 (63500000000000.000 mm)	AL-7075-T6	
4000000000000.000 (101600000000000.000 mm)	3000000000000.000 (76200000000000.000 mm)	AL-7075-T6	
5000000000000.000 (127000000000000.000 mm)	4000000000000.000 (101600000000000.000 mm)	AL-7075-T6	
6000000000000.000 (152400000000000.000 mm)	5000000000000.000 (127000000000000.000 mm)	AL-7075-T6	
7500000000000.000 (190500000000000.000 mm)	6000000000000.000 (152400000000000.000 mm)	AL-7075-T6	
10000000000000.000 (254000000000000.000 mm)	7500000000000.000 (190500000000000.000 mm)	AL-7075-T6	
12500000000000.000 (317500000000000.000 mm)	10000000000000.000 (254000000000000.000 mm)	AL-7075-T6	
15000000000000.000 (381000000000000.000 mm)	12500000000000.000 (317500000000000.000 mm)	AL-7075-T6	
20000000000000.000 (508000000000000.000 mm)	15000000000000.000 (381000000000000.000 mm)	AL-7075-T6	
25000000000000.000 (635000000000000.000 mm)	20000000000000.000 (508000000000000.000 mm)	AL-7075-T6	
30000000000000.000 (762000000000000.000 mm)	25000000000000.000 (635000000000000.000 mm)	AL-7075-T6	
40000000000000.000 (1016000000000000.000 mm)	30000000000000.000 (76200000000		

APPROVED

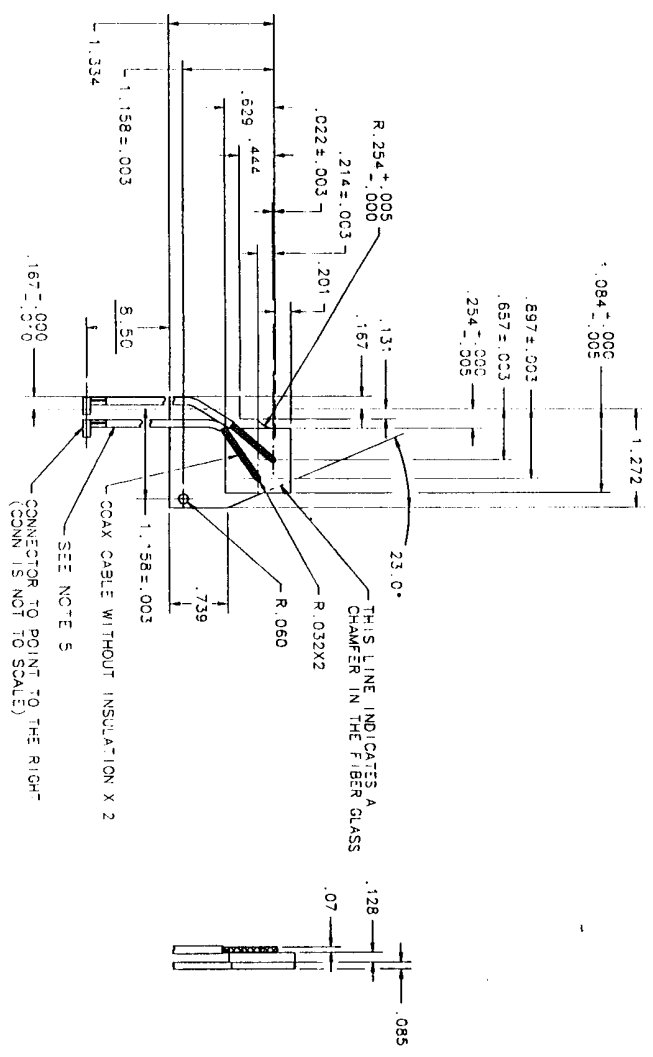
FREQUENCY: _____
VSWR: _____
GAIN: _____
PATTERN COVERAGE: _____
POLARIZATION: _____

2430-2460 MHz
2.1
SUB-NOMINAL
EXPERIMENTAL
LINEAR

 TECOM INDUSTRIES INC. 1525 SHAWNEE DR. BLDG. 0000000, CA 91311 TELEPHONE: (818) 702-2928 FAX: (818) 702-2929		TITLE 2.4 GHZ ANTENNA, SURFACE MOUNT TYPE 505042C	
SIZE	CARD CODE	DWG NO	
C	52791	7022928	
SCALE	1/1	UNIT	WT
		SHEET	1 OF 1

#7

REVISIONS			
REV.	ZONE	DESCRIPTION	DATE
2		REVISED, REBORN & CIG P/W REV 1 P/W WAS 62-16735-01 PER PROPOSAL	10/1/65
3	C2	DIM 8.50 WAS 7.750 & P/W WAS 62-16735-01 M/S P/W WAS 62-16735-01 (NOTE 5) S/C 1/16	
	C3	DIM 1.07 WAS .015, .128 WAS .130 S/C 1/16 DIT DIM 3/420000 DIM 759 & 230 DIM 13 SEL NOTE 5 WAS SEE NOTE 7 PER PROPOSAL	



- NOTES:
- 1) FREQUENCY: 2.4 - 2.5 GHZ.
 - 2) POLARIZATION - DUAL POLARIZATION.
 - 3) VSWR - 2:1
 - 4) IMPEDANCE - 50 OHMS.
 - 5) CABLE ASSY (MURATA ER-1) PART #MXYH62XX3050.
 - 6) TOLERANCES: .XX ± .01
.XXX ± .005

ITEM NO.	PART NO.	DESCRIPTION	QUANTITY
1	52-16735-01	ANTENNA: 2.4 GHZ	1
SYMBOL TECHNOLOGIES INC. BOSTON, MASS. 02111			
DRAWN BY JONES (07/65)			
CHECKED BY JONES (07/65)			
ENGINEER BY JONES (07/65)			
PRODUCT BY JONES (07/65)			
SCALE: FULL			
SHEET 1 OF 1			

DATE	APPROVED
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DOCUMENT CONTROL
FEB 04 1938

FREQUENCY: _____ 2.4-2.485 GHz
V.S.W.R.: _____ 2.0:1
GAIN: _____ +0 dBi NOM
CABLE/CONNECTOR: _____ MMCX RIGHT ANGLE