

D

C

B

A

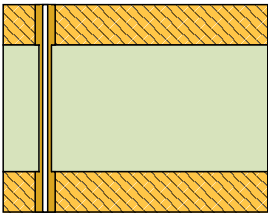
4

3

2

1

DETAIL 'A'
BOARD DIELECTRIC / COPPER STACKUP
FINISHED BOARD THICKNESS

	Material Layer	Thickness	Type	Dielectric Material
	Copper Top Layer	2.1mil	Signal	
	Core	6.6mil	Dielectric	RO4350B
	Copper Bottom Layer	2.1mil	Signal	
Total thickness : 10.8mil +/-3 mil				

DRILL TABLE					
Symbol	Count	FHS	Hole Tolerance	Hole Type	Plated
* A	571	7mil	+/-3mil	Round	Plated
* C	80	12mil	+/-3mil	Round	Plated
E	2	70.1mil	+/-3mil	Round	Non-Plated
D	8	78mil	+/-3mil	Round	Plated
	661 Total				

* ALL 7 AND 12 MIL FHS SHALL BE COPPER FILLED AND PLATED OVER.

NOTES:

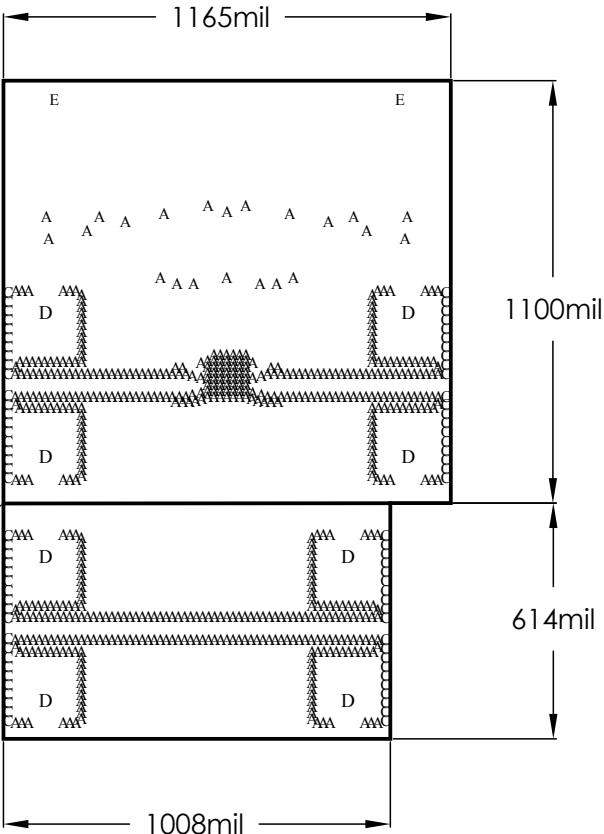
1. MATERIAL:
A. RO4350B DIELECTRIC CONSTANT 3.48 NOMINAL AT 2.5Gz, Tg>280c, DISSIPATION FACTOR =.0037.
B. STARTING COPPER FOIL ON ALL LAYERS TO BE 1/2 OZ.
C. MATERIAL STACKUP AND THICKNESS PER DETAIL "A".
2. FINISH:
8-12 MICRO INCHES IMMERSION GOLD OVER 100-200
MICRO INCHES ELECTROLESS NICKEL OVER COPPER.
3. PCB SHALL CONFORM TO IPC-A-600 CLASS 2.
4. ALL HOLES TO BE PLATED THRU UNLESS OTHERWISE SPECIFIED.
ALL FINISHED DRILL HOLE SIZES APPLY AFTER PLATING.
COPPER PLATING IN THROUGH HOLES WILL BE 0.001" AVERAGE WITH AN
ABSOLUTE MINIMUM OF 0.0007".
DIMENSIONS SHOWN ARE FOR LOCATION OF 0,0 FOR THE DRILL FILE.
5. MINIMUM LINE WIDTH AND SPACING SHALL BE +/-1.5 MILS.
6. GROUNDED COPLANAR LINES ON LAYER 1 ARE CONTROLLED IMPEDANCE.
A 12.6 MIL LINE WIDTH AND 16.5 MIL SPACE SHALL BE 50 OHMS +/- 5%
WITH REFERENCE TO GROUND PLANE WITH A DISTANCE OF 6.6 MILS FROM SECONDARY SIDE.
7. BOARDS TO BE DIVIDED AND SHIPPED SEPERATELY.
8. ALL MATERIALS DESCRIBED IN THIS DOCUMENT/DRAWING SHALL BE IN COMPLIANCE WITH
AND CONTAIN NO SUBSTANCES RESTRICTED OR REQUIRING SPECIAL RECLAMATION UNDER
THE LATEST RoHS, WEEE OR ELV DIRECTIVES



X	MAAD-011034
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED INTERPRET DRAWING PER ASME Y14.5 DO NOT SCALE THIS DRAWING		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		<div>MACOM</div> <div>MACOM 100 Chelmsford Street Lowell, MA 01851</div>			
NOTE: THIS DRW INCORPORATES THIRD ANGLE PROJECTION		TOLERANCES ON					
		DECIMALS	ANGLES	TITLE Fabrication, SMB 4mmPQFN50P-24LD			
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		UNLESS OTHERWISE SPECIFIED 63 ✓ ALL OVER		SIZE CAGE CODE DRAWING NO. B 55NN2 PT-0018155			
		MATERIAL	SEE NOTE 1				
		FINISH	SEE NOTE 2				
				SCALE:	2:1	WEIGHT	/

REVISIONS	
REV	DESCRIPTION
-	INITIAL RELEASE PER CO-024585



SEPERATE BOARDS
SEE NOTE 7

4

3

2

1