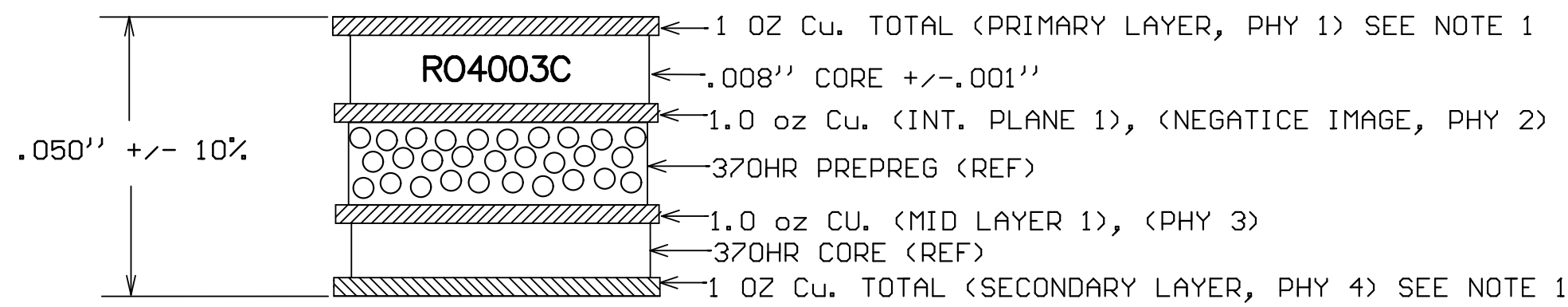


DETAIL ''A''

BOARD DIELECTRIC / COPPER STACKUP
FINISHED BOARD THICKNESS



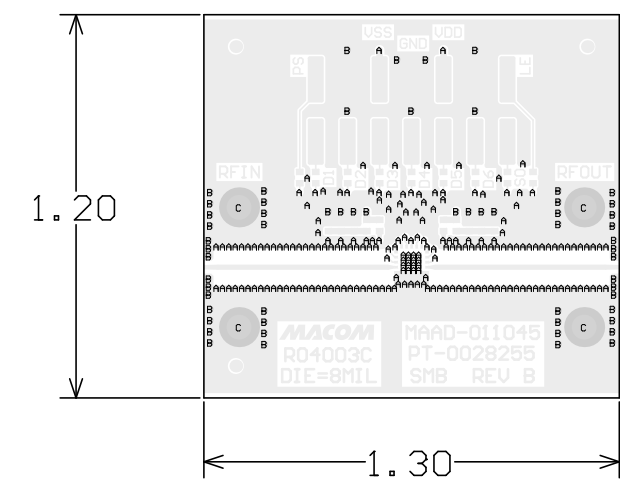
4D

Symbol	Hit Count	FHS	Tolerance	Plated	Hole Type
A	199	8.00mil	+/-3mil	PTH	Round
B	59	12.00mil	+/-12mil	PTH	Round
C	4	78.00mil	+/-3mil	PTH	Round
	262 Total				

NOTES:

- MATERIAL:
 - A. R04003C NOMINAL DIELECTRIC CONSTANT 3.48 AT 2.5 GHz, Tg>280c, DISSIPATION FACTOR = .0031.
 - B. 370HR DIELECTRIC CONSTANT 4.29@1.0 GHZ, Tg = 180C.TOTAL COPPER THICKNESS ON PRIMARY AND SECONDARY SHALL BE 1 OZ. INTERNAL LAYERS SHALL BE 1 OZ. SEE DETAIL ''A''. MATERIAL STACKUP, THICKNESS, AND STARTING COPPER FOIL PER DETAIL ''A''.
- FINISH: PRIMARY AND SECONDARY SIDE FINISH;
ELECTROLESS NICKEL/IMMERSION GOLD (ENIG) PER IPC-4552.
ELECTROLESS NICKEL: 118-236 MICRO-INCHES
IMMERSION GOLD: 2-8 MICRO-INCHES
THERE SHALL BE NO PITS, PIN HOLES OR NODULES WITHIN EXPOSED METAL AREAS.
- PCB SHALL BE FABRICATED PER IPC-6012 CLASS 2 AND CONFORM TO IPC-A-600 CLASS 2 LATEST REVISIONS.
- HOLE INFOMATION:
 - 4A. ALL HOLES TO BE PLATED THRU UNLESS OTHERWISE SPECIFIED.
 - 4B. ALL FINISHED HOLE SIZES APPLY AFTER PLATING.
 - 4C. COPPER PLATING IN THROUGH HOLES WILL BE .001 MINIMUM AVERAGE WITH AN ABSOLUTE MINIMUM OF .0007''.
 - 4D. ALL 8 MIL FHS TO BE FILLED WITH NON-CONDUCTIVE MATERIAL, CAPPED OVER AND PLANARIZED FLAT.
- ELECTRONIC DATA IS EQUAL TO THE FINISHED LINE WIDTH. LINE WIDTHS ARE +/- .001''.
- GROUND FILL SHALL EXTEND TO BOARD EDGES UNLESS OTHERWISE NOTED.
EXPOSED COPPER ON BOARD EDGE SHALL BE ACCEPTABLE.
- NO SOLDERMASK OR SILKSCREEN ON PCB.
- 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-011045
NEXT ASSY	USED ON
APPLICATION	



DRILLDRAWING (PHY 1)

<div>UNLESS OTHERWISE SPECIFIED INTERPRET DRAWING PER ASME Y14.5 DO NOT SCALE THIS DRAWING</div> <div>NOTE: THIS DRW INCORPORATES THIRD ANGLE PROJECTION</div> <div></div> <div>MACOM Technology Solutions CONFIDENTIAL INFORMATION SUBJECT TO NDA</div> <div><div>The information contained in this document or material is the valuable and confidential property of MACOM Technology Solutions Holdings, Inc. and/or its subsidiaries or affiliates (collectively MACOM), provided to you subject to a non-disclosure agreement between you and MACOM solely for use in supporting MACOM's business as and to the extent MACOM authorizes in writing from time to time. This information shall be held in strictest confidence and shall not be reproduced, published, disclosed to others, or used for any purpose except as and to the extent specifically authorized by MACOM in a separate written agreement. Permission is granted for reproduction, this legend must be included in any and all copies. This document or material shall be promptly returned to MACOM or destroyed upon request, completion of the use for which it was made available to recipient, or termination of MACOM's relationship with recipient, whichever first occurs.</div></div>	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		<div> WWW.MACOM.COM</div>		
	TOLERANCES ON				
	DECIMALS	ANGLES			
	.X ± .1 .XX ± .02 .XXX ± .005 .XXXX ± .0005	± 0.5			
UNLESS OTHERWISE SPECIFIED 63 ALL OVER		TITLE FABRICATION, SMB MAAD-011045			
MATERIAL	X	SIZE	DRAWING NO.		REVISION
		B	PT-0028255		A
FINISH	X	SCALE:	1/1	PACKAGE TYPE: 3mmPQFN40P-20LD	SHEET 1 OF 1