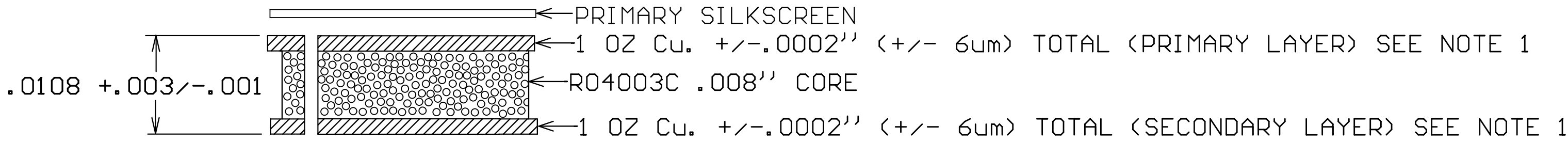


BOARD DIELECTRIC / COPPER STACKUP  
FINAL BOARD THICKNESS  
(EXCLUDING PRIMARY SILKSCREEN)

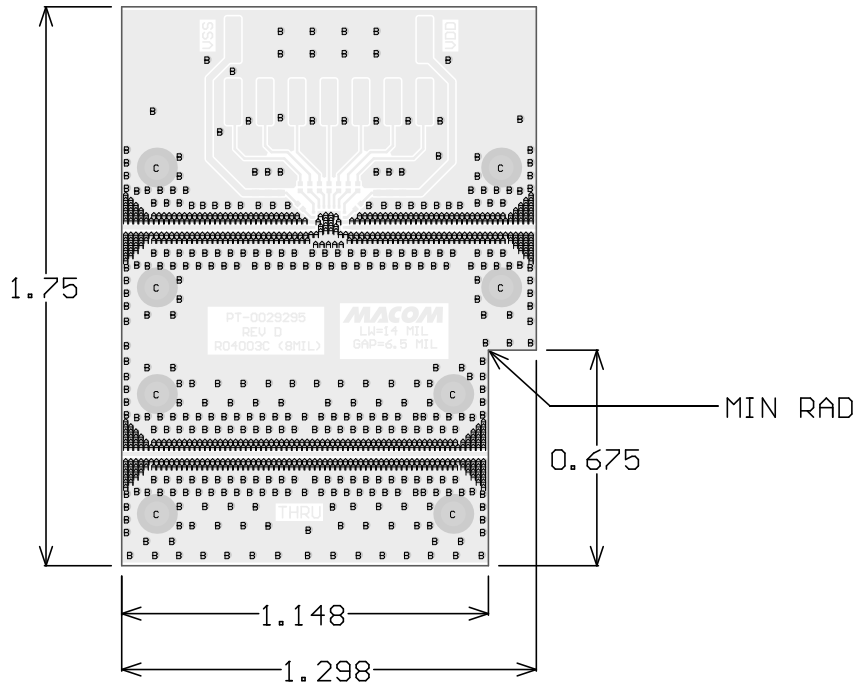


DETAIL 'A'

	Symbol	Hit Count	FHS	Tolerance	Plated	Hole Type
15	A	671	8.00mil	+3/-8mil	PTH	Round
15	B	337	13.00mil	+3/-13mil	PTH	Round
	C	8	78.00mil	+/-3 mil	PTH	Round
		1016 Total				

NOTES:

- MATERIAL:  
DIELETRIC: R04003C, 8 MIL THICKNESS.  
TOTAL COPPER THICKNESS ON PRIMARY AND SECONDARY SHALL BE 1 OZ +/- .0002'' (+/- 6um).  
MATERIAL STACKUP, AND THICKNESS, 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, SCRATCHES OR NODULES WITHIN EXPOSED METAL AREAS  
STACKUP REPRESENTS FINISHED THICKNESS.
- PCB SHALL BE BUILT PER IPC-6012 CLASS 2 AND CONFORM TO IPC-A-600 CLASS 2 LATEST REVISIONS.
- ALL HOLES TO BE PLATED THRU UNLESS OTHERWISE SPECIFIED.
- ELECTRONIC DATA IS EQUAL TO THE FINISHED LINE WIDTH.
- ALL FINISHED HOLE SIZES APPLY AFTER PLATING.
- COPPER PLATING IN THROUGH HOLES WILL BE .001'' MINIMUM AVERAGE WITH AN ABSOLUTE MINIMUM OF .0007''.
- DIMENSIONS SHOWN ARE FOR LOCATION OF 0,0 FOR THE DRILL FILE.
- LINE WIDTH AND SPACING SHALL BE WITHIN TOLERANCE OF 1 MIL. DO NOT ADJUST LINE WIDTH AND SPACING.
- ELECTRONIC DATA IS EQUAL TO THE FINISHED LINE WIDTH.
- NO SOLDERMASK ON PCB.
- GROUND FILL SHALL EXTEND TO BOARD EDGES UNLESS OTHERWISE NOTED.  
EXPOSED COPPER ON BOARD EDGE SHALL BE ACCEPTABLE.
- PRIMARY SILKSCREEN SHALL BE WHITE NON-CONDUCTIVE EPOXY INK.
- VENDOR MARKING SHALL BE ACCEPTABLE AS SILKSCEEN. DO NOT ADD OVER EXPOSED TRACES OR PADS.
- FILL ALL 8.0 AND 13.0 FHS WITH NON-CONDUCTIVE VIA MATERIAL, CAPPED OVER AND PLANARIZE FLAT.
- 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.



DRILL DRAWING

X	MAAD-011047
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>WWW.MACOM.COM</div>		
	TOLERANCES ON				
	DECIMALS	ANGLES			
NOTE: THIS DRW INCORPORATES THIRD ANGLE PROJECTION	<div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div></div></div></div><div><div><div></div></div></div></div></div> <div>± 0.5</div>		TITLE FABRICATION SUBSTRATE, MAAD-011047 SMB		
.X ± .1 .XX ± .02 .XXX ± .005 .XXXX ± .0005					
MACOM Technology Solutions CONFIDENTIAL INFORMATION SUBJECT TO NDA	UNLESS OTHERWISE SPECIFIED 63/ ALL OVER		SIZE	DRAWING NO.	REVISION
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	FINISH SEE NOTE 2	SCALE: 1/1	PACKAGE TYPE: 3mmPQFN40P-20LD	SHEET 1 OF 1	