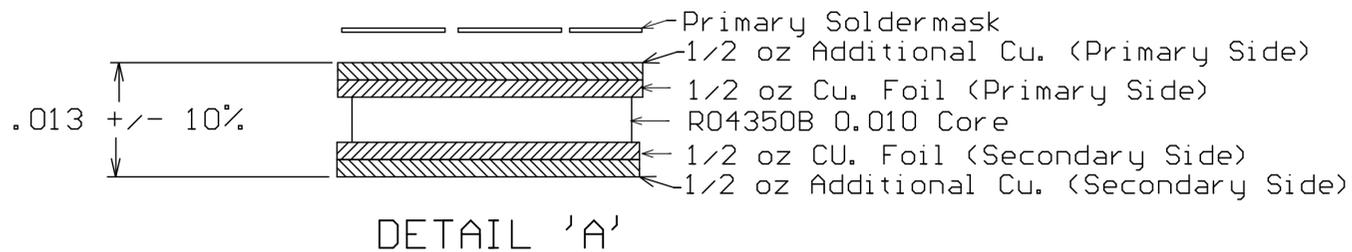
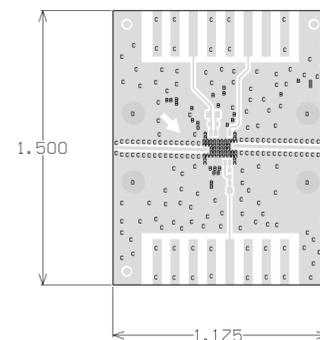


BOARD DIELECTRIC / COPPER STACKUP
FINISHED BOARD THICKNESS
(EXCLUDING PRIMARY SOLDERMASK)



Symbol	Hit Count	FHS	Tolerance	Plated	Hole Type
A	50	8.00mil	+/-3mil	PTH	Round
B	26	8.10mil	+3mil/-8.1mil	PTH	Round
C	178	12.00mil	+3mil/-12mil	PTH	Round
D	4	78.00mil	+/-3mil	PTH	Round



NOTES:

- MATERIAL:**
R04350B 10 MIL THICKNESS.
COPPER ON PRIMARY AND SECONDARY SIDE TO BE PLATED UP TO 1 OZ CU.
MATERIAL STACKUP, THICKNESS, AND STARTING COPPER FOIL PER DETAIL 'A'.
- FINISH:**
ELECTROLESS NICKEL/ELECTROLESS PALLADIUM/IMMERSION GOLD (ENEPIG) IN ACCORDANCE WITH IPC-4552.
IMMERSION GOLD: 0.03-0.127 MICRONS
ELECTROLESS PALLADIUM: 0.1-0.5 MICRONS
ELECTROLESS NICKEL: 3-6 MICRONS
FINAL FINISH SHALL PASS SOLDERABILITY TESTING PER JESD22-B102D METHOD 1 AND BE WIRE BONDABLE.
THERE SHALL BE NO PITS, PIN HOLES OR NODULES WITHIN EXPOSED METAL AREAS.
STACKUP REPRESENTS FINISH 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.
- ALL 8.0 MIL FHS SHALL BE FILLED WITH THERMALLY CONDUCTIVE MATERIAL, CAPPED OVER, AND PLANARIZED FLAT.
- 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.
- LPI SOLDER MASK COATING SHALL CONFORM TO IPC-SM-840, CLASS T.
NO SOLDERMASK ON SECONDARY SIDE.
- ALL GROUNDED COPLANAR LINES ARE CONTROLLED IMPEDANCE. A 17.7 MIL LINE WIDTH WITH 13.7 MIL GAP SHALL BE 50 OHMS +/- 8% WITH REFERENCE TO THE GROUND PLANE WITH A DISTANCE OF 10 MIL FROM LAYER 2.
- SILKSCREEN PRIMARY SIDE ONLY WITH WHITE NON-CONDUCTIVE EPOXY INK.
NO SILKSCREEN ON EXPOSED COPPER.
- 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	MAAM-011238
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		 WWW.MACOM.COM	
NOTE: THIS DRW INCORPORATES THIRD ANGLE PROJECTION		TOLERANCES ON			
 MACOM Technology Solutions CONFIDENTIAL INFORMATION SUBJECT TO NDA <small>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 other s, 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.</small>		DECIMALS	ANGLES	TITLE FABRICATION, EVB 5mmQFN65P-12LD	
		.X ± .1 .XX ± .02 .XXX ± .005 .XXXX ± .0005	± 0.5		
MATERIAL		SEE NOTE 1		SIZE	DRAWING NO.
FINISH		SEE NOTE 2		B	PT-0023307
SCALE: 1:1		PACKAGE TYPE: 5mmQFN65P-12LD		REVISION	A
				SHEET 1 OF 1	