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REVISIONS			
REV	DESCRIPTION	APPROVED	DATE
A	RELEASE		

- NOTES: UNLESS OTHERWISE SPECIFIED
- DIMENSIONS ARE IN INCHES (EXCEPT WHERE NOTED).
 - BOARD MATERIAL:
 - (X) FR4 (RHS COMPLIANT) OR EQUIVALENT
 - () ISOLA-FR4040B
 - () NCLC-4000-13 OR EQUIVALENT
 - () ZYRON (RHS COMPLIANT) OR EQUIVALENT
 - () ROGERS 4300B
 - () ROGERS 4030C
 - () OTHER _____
 - THE PCB SHALL BE FABRICATED TO IPC-4101, TYPE B, CLASS 2. WORKMANSHIP SHALL CONFORM TO IPC-A-600, CLASS 2, CURRENT REVISIONS.
 - BOARD MATERIAL & CONSTRUCTION SHALL MEET THE REQUIREMENTS OF UL94 WITH FLAMMABILITY RATING OF V-0.
 - OVERALL BOARD THICKNESS REFER TO LAMINATION DIAGRAM. TOLERANCE APPLIES AFTER ALL LAMINATION AND PLATING PROCESSES. IT IS TO BE MEASURED FROM TOP PCB METAL TO BOTTOM PCB METAL UNLESS OTHERWISE SPECIFIED.
 - ROW & TRIST NOT TO EXCEED 0.0075 IN. (.75) PER LINEAR INCH. ROW & TRIST SHOULD BE MEASURED PER IPC-1845, METHOD 2.4.22.

- TOOLING: (USE CHECKED ITEMS FOR TOOLING)
- PHOTO ETCH CIRCUIRY PER ENCLOSED DRAWER BIZ740 OR ODR. FORMAT FILE. DRILL LOCATION AND SIZE CONTROLLED BY EXCELLEN CNC DRILL FILE.
 - IF STATED IN THE LAMINATION DIAGRAM, THE DIELECTRIC THICKNESS OF ANY CONTROLLED IMPEDANCE LAYER IS FOR REFERENCE ONLY. FINAL ACCEPTANCE SHALL BE DETERMINED BY THESE LAYERS HAVING A CHARACTERISTIC IMPEDANCE OF +/-10% DIMS AS STATED IN THE LAMINATION DIAGRAM. THE VENDOR CAN MAKE ADJUSTMENTS AS LONG AS THE STATED IMPEDANCE AND OVERALL BOARD THICKNESS IS MAINTAINED. ANY ADJUSTMENT MADE TO TRACE WIDTH OR SPACING MUST HAVE PRIOR WRITTEN APPROVAL FROM MAXIM.
 - ALL TRACES FILLETED OPTION TO ENHANCE RELIABILITY AT PAD JUNCTIONS WHERE SPACING PERMITS. UNLESS OTHERWISE SPECIFIED:
 - () FILLETED
 - (X) NOT FILLETED
 - LAYER TO LAYER REGISTRATIONS SHALL BE WITHIN .003 INCHES. LEGEND TO LEGEND +/- 0.001 INCHES

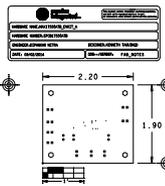
- FINISH: (USE CHECKED ITEMS FOR PLATING)
- PLATING SPECIFICATION:
 - (X) STARTING AND FINISH COPPER WEIGHT FOR OUTER LAYERS TO BE (1 OZ). FOR OUTER LAYERS WHERE SPACING PREVENTS THE USE OF (1 OZ) AS A STARTING WEIGHT THE STARTING WEIGHT CAN BE (0.5 OZ) AS LONG AS THE FINISH COPPER WEIGHT IS (1 OZ) UNLESS OTHERWISE SPECIFIED
 - () STARTING COPPER WEIGHT FOR OUTER LAYERS CAN BE (1 OZ). THE FINISH COPPER WEIGHT IS (2 OZ). FOR OUTER LAYERS WHERE SPACING PREVENTS THE USE OF (1 OZ) AS A STARTING WEIGHT, THE STARTING WEIGHT CAN BE (0.5 OZ) AS LONG AS THE FINISH COPPER WEIGHT IS (2 OZ). UNLESS OTHERWISE SPECIFIED
 - () STARTING COPPER WEIGHT FOR OUTER LAYERS TO BE (2 OZ). THE FINISH COPPER WEIGHT IS (2 OZ) MINIMUM. FOR OUTER LAYERS WHERE SPACING PREVENTS THE USE OF (1 OZ) AS A STARTING WEIGHT, THE STARTING WEIGHT CAN BE (1.5 OZ) AS LONG AS THE FINISH COPPER WEIGHT IS (2 OZ). UNLESS OTHERWISE SPECIFIED
 - () OTHER _____

- CHECK ALL THAT APPLY
 - () FINISH CONDUCTOR SURFACES: IMMERSION GOLD, 3-8 MICRO INCHES OVER 100 MICRO INCHES MINIMUM OF ELECTROLESS NICKEL.
 - (X) LEAD FREE AND HAS COMPLIANT OR EQUIVALENT LEAD FREE PLATING
 - () ELECTRODEPOSITED HARD GOLD PLATE, TYPE 1 (99.7% MIN GOLD), GRADE C (KNOW HARDNESS 150-200); CLASS 3 (50-100 MICRO INCHES THICK) IN ACCORDANCE WITH MIL-D-45204C. GENERAL SURFACING REQUIREMENTS MUST MEET ANSI/JEDEC-A-80 (CURRENT REV) SECTION 4.4. CLASS 3 (50-100 MICROINCHES THICK) OVER ELECTRODEPOSITED NICKEL PLATE IN ACCORDANCE WITH ANSI/JEDEC-A-80D, SECTION 4.4.2, CLASS 3 (100-400 MICROINCHES THICK).
 - () FINISH CONDUCTOR SURFACES: IMMERSION GOLD, 2-5 MICRO INCHES OVER 118-224 MICRO INCHES MINIMUM OF ELECTROLESS NICKEL.
 - () FINISHES TO BE GOLD PLATED.
 - () OTHER _____

- DRILL SIZES ARE FINISHED HOLE SIZES. ALL HOLES SHALL BE LOCATED WITHIN .005 DTP. MINIMUM BARREL PLATING OF .001 IN. PLATED HOLES SHALL NOT BE ROUGH OR IRREGULAR SO AS TO IMPAIR PROPER SOLDER WICKING.
- CHECK ALL THAT APPLY
 - (X) GREEN SOLDERMASK OVER BARE COPPER/BARE GOLD (BOTH SIDES) WITH LIQUID PHOTO IMAGEABLE IML (P) PER ARTWORK.
 - () GREEN PASTO P58-6000
- CHECK ALL THAT APPLY
 - () APPLY SILKSCREEN TO BOTH SIDES USING A NON-CONDUCTIVE, WHITE EPOXY BASED IML PER ARTWORK.
 - (X) APPLY SILKSCREEN TO TOP SIDE USING A NON-CONDUCTIVE, WHITE EPOXY BASED IML PER ARTWORK.
 - () OTHER _____

- VENDOR LOGO & DATE CODE REQUIRED IN IML ON BOTTOM SIDE ONLY. DATE CODE FORMAT MUST BE YYYY MM DD.
- FINAL ELECTRICAL TEST TO BE PERFORMED USING PROVIDED IPC-D-356A NETLIST OR ODR. FORMAT FILE. (REQUIRED UNLESS OTHERWISE SPECIFIED IN QUOTE) THE PCB SHALL HAVE A VERIFICATION STAMP.
- A TIME DOMAIN REFLECTOMETER REPORT FOR EACH IMPEDANCE CONTROLLED LAYER AND A CERTIFICATE OF COMPLIANCE SHALL BE PROVIDED BY VENDOR AT TIME OF SHIPMENT.

- MISCELLANEOUS: (USE CHECKED ITEMS)
- FOR BLIND AND BURIED VIA INFORMATION REFER TO DRILL CHART.
 - () NON-CONDUCTIVE EPOXY FILL AND CAP ALL 0.125X INCH DRILLED VIAS.
 - () SILVER FILL AND CAP ALL 0.125X INCH DRILLED VIAS.
 - FOR VIA SIZES XX.XX INCH USE NON-CONDUCTIVE VIA FILL AND CAP
 - FINISHED SURFACE CONTACTS AND FILLED VIAS TO BE FREE OF ANY PITS, SCRATCHES, PROBE MARKS OR OTHER DEFECTS THAT COULD AFFECT THE APPEARANCE AND PERFORMANCE OF THE CONTACT SURFACE. CONTACTS ARE TO BE AS FLAT AS POSSIBLE, NOT TO EXCEED +/- 0.001" OF FLATNESS.
 - THIEVING:
 - () SUPPLIER MAY ADD THIEVING TO COMPENSATE FOR LOW COPPER DENSITY AREAS ON THIS DESIGN.
 - (X) SUPPLIER MAY NOT ADD THIEVING TO COMPENSATE FOR LOW COPPER DENSITY AREAS ON THIS DESIGN.



LAMINATION DIAGRAM					
NAME	THICKNESS	DESCRIPTION	PLATING	FINISH	REMARKS
1	TOP	1	FOL		
2	BOTTOM	1	FOL		

THE FINISHED PCB THICKNESS TO BE: 0.04250 +/- 0.010"

DRILL CHART: TOP & BOTTOM					
ALL UNITS ARE IN MILLS					
FIGURE	SIZE	TOLERANCE	PLATED	QTY	
-	12.0	+3.0/-3.0	PLATED	11	
*	39.37	+3.0/-3.0	PLATED	18	
+	45.28	+3.0/-3.0	PLATED	6	
O	125.0	+3.0/-3.0	PLATED	4	

TOLERANCES UNLESS OTHERWISE SPECIFIED FRACTIONS DECIMALS ANGLES +/- .015 XX +/- .01 XX +/- .005	THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO MAXIM. THE INFORMATION IN THIS DOCUMENT IS NOT TO BE SHOWN, REPRODUCED, OR DISCLOSED TO ANYONE OUTSIDE OF MAXIM WITHOUT PRIOR WRITTEN PERMISSION FROM MAXIM.		
		TITLE: FABRICATION DWG. MAXI17550A1B_EVKIT	
SEE NOTES	DRAWN BY: RAPHAEL DATE: 05/30/12	SIZE DRAWING NO. E	REV A
FINISH:	CHECKED BY: DATE:	APPR. BY: DATE:	REV C
SEE NOTES	APPR. BY: DATE:	NOT TO SCALE	TEMPLATE REV C SHEET 1 OF 1

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