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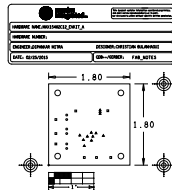
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REVISIONS			
REV	DESCRIPTION	APPROVED	DATE
A	INITIAL RELEASE	VN	07/11/13

- NOTES:
- UNLESS OTHERWISE SPECIFIED
1. DIMENSIONS ARE IN INCHES (EXCEPT WHERE NOTED).
- MATERIALS: (USE CHECKED ITEMS FOR MATERIAL.)
2. BOARD MATERIAL:
- (X) FR4 (BAHS COMPLIANT) OR EQUIVALENT
- () ISOLA/FR4000
- () WELCO-4000-13 OR EQUIVALENT
- () 370HM (BAHS COMPLIANT) OR EQUIVALENT
- () ROGERS 4300R/FR4000R
- () ROGERS 4300C/FR4000C
- () OTHER _____
3. THE PCB SHALL BE FABRICATED TO IPC-4002, TYPE 4, CLASS 2.
- MONOMERISHT SHALL CONFORM TO IPC-A-805, CLASS 2, CURRENT REVISIONS.
4. BOARD MATERIAL & CONSTRUCTION SHALL MEET THE REQUIREMENTS OF UL94V0 WITH FLAMMABILITY RATING OF 94V-0.
5. 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.
6. BOM & TEST NOT TO EXCEED 0.010 IN. (0.75%) PER LINEAR INCH.
- BOM & TEST SHOULD BE MEASURED PER IPC-TM-650, METHOD 2.4.02.
- (USE CHECKED ITEMS FOR TOOLING)
7. PHOTO ETCH CIRCUITRY PER ENCLOSED MEMBER BETA4V OR 00N-1. FORMAT FILE, DRILL LOCATION AND SIZE CONTROLLED BY EXCELLENCE ONE DRILL FILE.
8. 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 WITHIN A CHARACTERISTIC IMPEDANCE OF +/-10% OWNS 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.
9. ALL TRACES FIELDED OFFER TO ENHANCE RELIABILITY AT PAD JUNCTIONS WHERE SPACING PERMITS. UNLESS OTHERWISE SPECIFIED:
- () FIELDED
- (X) NOT FIELDED
10. LAYER TO LAYER REGISTRATIONS SHALL BE WITHIN .003 INCHES.
- LEGEND TO LEGEND +/- 0.001 INCHES
- FINISH:
- (USE CHECKED ITEMS FOR PLATING)
11. PLATING SPECIFICATIONS:
- (X) STARTERS COPPER WEIGHT FOR OUTER LAYERS TO BE (1 OZ), THE FINISH COPPER WEIGHT IS (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 TO 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 (2 OZ) AS A STARTING WEIGHT THE STARTING WEIGHT CAN BE (1 OZ) AS LONG AS THE FINISH COPPER WEIGHT IS (2 OZ) UNLESS OTHERWISE SPECIFIED
- () OTHER _____
12. CHECK ALL THAT APPLY
- () FINISH CONDUCTOR SURFACES: IMMERSION GOLD, 2-8 MICRO INCHES OVER 100 MICRO INCHES MINIMUM OF ELECTROLESS NICKEL.
- (X) LEAD FREE AND BAHS COMPLIANT OR EQUIVALENT LEAD FREE PLATING
- () ELECTRODEPOSITED HARD GOLD PLATE, TYPE 1 (100-75% MIN GOLD), GRADE C (ENOF) IMMERSION (100-100%), CLASS 1 (100-100 MICRO INCHES THICK) IN ACCORDANCE WITH MIL-G-45204C. GENERAL SURFACING REQUIREMENTS MUST MEET ANSI/IPC-A-600 (CURRENT REV) SECTION 4.0, CLASS 3 (100-100 MICROINCHES THICK) OVER ELECTRODEPOSITED NICKEL PLATE IN ACCORDANCE WITH ANSI/IPC-A-600, SECTION 4.5, CLASS 3 (100-400 MICROINCHES THICK).
- () FINISH CONDUCTOR SURFACES: IMMERSION GOLD, 2-5 MICRO INCHES OVER 1/4-INCH MICRO INCHES MINIMUM OF ELECTROLESS NICKEL.
- () FINISHERS TO BE GOLD PLATED.
- () OTHER _____
13. 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 ROUND OR IRREGULAR SO AS TO HINDER PROPER SOLDER WELDING.
14. CHECK ALL THAT APPLY
- (X) GREEN SOLDERMASK OVER BARE COPPER/BARE GOLD (BOTH SIDES) WITH LIQUID PHOTO IMAGEABLE (LM) (P1) PER AUTOM.
- () GREEN TATTO PER-4000
- () OTHER _____
15. CHECK ALL THAT APPLY
- (X) APPLY SILKSCREEN USING A NON-CONDUCTIVE, WHITE EPOXY BASED INK PER AUTOM.
- () OTHER _____
16. VENDOR LOGO & DATE CODE REQUIRED IN INK ON BOTTOM SIDE ONLY. DATE CODE FORMAT MUST BE YYYY ONLY
- TESTING:
17. FINAL ELECTRICAL TEST TO BE PERFORMED USING PROVIDED IPC-D-350A NETLIST OR 00N-1. FORMAT FILE. (REQUIRED UNLESS OTHERWISE SPECIFIED IN QUOTE)
- THE PCB SHALL HAVE A VERIFICATION STAMP.
18. 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:
- FOR ALL DRILL INFORMATION REFER TO DRILL CHART.
- () NON-CONDUCTIVE EPOXY, FILL AND CAP ALL 0.1000 INCH DRILLED VIAS.
- () SOLDER, FILL AND CAP ALL 0.1000 INCH DRILLED VIAS.
20. IF PRESENT, ALL MICRO-VIAS LESS THAN 0.100 INCHES P&W WHEN USED AS VTP (VIA IN PAD) OR STAGGED TO BE PLATED SHUT WITH COPPER. UNLESS OTHERWISE SPECIFIED.
21. 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.
- THEFTING:
- () SUPPLIER MAY ADD THEFTING TO COMPENSATE FOR LOW COPPER DENSITY AREAS ON THIS DESIGN.
- (X) SUPPLIER MAY NOT ADD THEFTING TO COMPENSATE FOR LOW COPPER DENSITY AREAS ON THIS DESIGN.
23. PERMIT
- () PERMITS TO BE INSTALLED BY SUPPLIER
- () PERMITS NOT TO BE INSTALLED BY SUPPLIER
- (X) N/A



DRILL CHART, TOP to BOTTOM				
ALL UNITS ARE IN MILS				
FIGURE	SIZE	TOLERANCE	PLATED	QTY
A	12.0	+3.0/-10.0	PLATED	12
B	39.37	+3.0/-3.0	PLATED	16
C	43.31	+3.0/-3.0	PLATED	6
D	125.0	+3.0/-3.0	PLATED	4

LAMINATION DIAGRAM				
NAME	NAME	THICKNESS (in.)	THICKNESS (in.)	THICKNESS (in.)
1	TOP	1	FOIL	
2	BOTTOM	1	FOIL	
THE FINISHED PCB THICKNESS TO BE: 0.062" +/- 0.010"				

TOLERANCES UNLESS OTHERWISE SPECIFIED			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.		maxim integrated™	
FRACTIONS	DECIMALS	ANGLES	DRAWN BY: C. BULANAGUI	DATE: 2/15	TITLE: FABRICATION DWG. MAX15462C12_EVKIT	
1/16	.001	1/16	CHECKED BY: DATE:		SIZE: DRAWING NO. E	
1/32	.0005	1/32	APPR. BY: DATE:		NOT TO SCALE: TEMPLATE: REV C	
1/64	.0002	1/64	APPR. BY: DATE:		SHEET 1 OF 1	