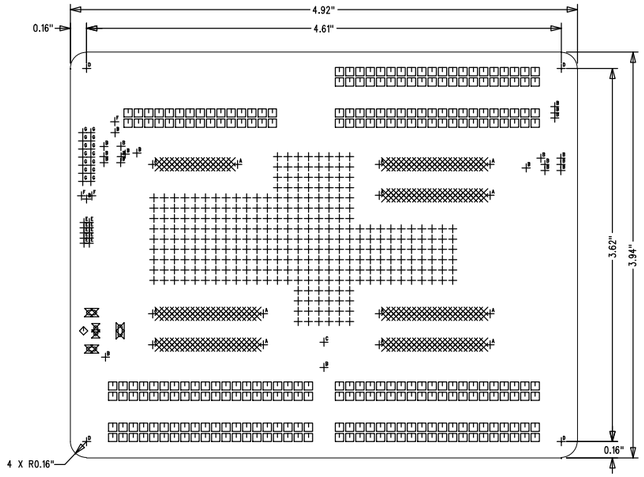
REV	DESCRIPTION	APPD BY	DATE
V1.0	Initial Release		08/01/15
V3.0	Alpha Release		03/30/16
V4.0	Production Release		11/05/16

NOTES: UNLESS OTHERWISE SPECIFIED.

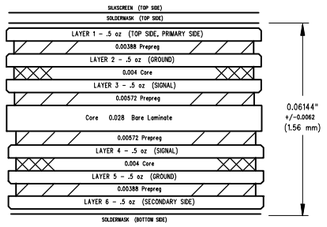
ALL SPECIFICATIONS REFERENCED SHALL BE OF THE LATEST REVISION.

1. CONTROLLING DIMENSIONS AND SUPPLIED DATA ARE IN INCHES. DIMENSIONS AND TOLERANCES PER ASME Y14.5M.
2. MATERIAL: COPPER CLAD 370HR or EQUIVALENT CORE PER IPC 4101. COPPER WEIGHT SHALL BE 0.5 OZ. PLATED TO 1 OZ. ON EXTERNAL LAYERS AND .5 OZ. ON INTERNAL LAYERS.
3. MINIMUM CONDUCTOR WIDTHS OF 0.0045" AND SPACINGS OF 0.005" SHALL BE HELD WITHIN +/- 20% OR .0025 MIN OF ORIGINAL DATA.
4. FINISH: 3-5 MICROINCHES IMMERSION GOLD OVER 100-200 MICROINCHES ELECTROLESS NICKEL.
5. APPLY LIQUID PHOTO IMAGEABLE SOLDER MASK OVER BARE COPPER, BOTH SIDES, PER IPC-SM-840, TYPE B, CLASS 2, COLOR: MATTE BLACK
6. WARP OR TWIST OF BOARD SHALL NOT EXCEED 0.75%.
7. PHOTOIMAGABLE SILKSCREEN COMPONENT SIDE USING WHITE, PERMANENT, ORGANIC, NON-CONDUCTIVE EPOXY INK. THERE SHALL BE NO SILKSCREEN ON ANY SOLDERABLE COMPONENT PADS.
8. REMOVE ALL BURRS AND BREAK SHARP EDGES 0.4 MAX.
9. FINISHED BOARD SHALL MEET THE REQUIREMENTS OF UL796 WITH A FLAMMABILITY RATING OF 94V-2 OR BETTER. VENDOR'S LOGO, DATE CODE AND LOT IDENTIFICATION SHALL BE LOCATED ON THE SECONDARY SIDE OF THE BOARD.
10. ALL BOARDS TO BE 100% ELECTRICALLY TESTED USING PROVIDED NETLIST. ALL NETS TO BE CHECKED FOR CONTINUITY AND SHORTS.
11. FABRICATE USING GERBER FILES SUPPLIED.



SIZE	QTY	SYM	PLATED	TOL
0.015	22	B	YES	+/-0.003
0.0252	270		YES	+/-0.003
0.028	10	E	YES	+/-0.003
0.03	3	F	YES	+/-0.003
0.03543	14	G	YES	+/-0.003
0.03937 x 0.09843	3		YES	+/-0.003
0.03937 x 0.11811	1		YES	+/-0.003
0.0437	270		YES	+/-0.003
0.045	296		YES	+/-0.003
0.055	14	A	NO	+/-0.003
0.06299	1		NO	+/-0.002
0.125	4	D	NO	+/-0.002
0.1252	1	C	YES	+/-0.003

6 LAYER STACK-UP



CONTROLLED IMPEDANCE

LAYER	TRACE WIDTH/SPACING	TYPE	IMPEDANCE
1	4.75 / 7.25 MIL	DIFFERENTIAL	100 OHMS +/-10%
1	6.00	SINGLE ENDED	50 OHMS +/-10%
3	4.50 / 7.50MIL	DIFFERENTIAL	100 OHMS +/-10%
3	5.75	SINGLE ENDED	50 OHMS +/-10%
4	4.50 / 7.50MIL	DIFFERENTIAL	100 OHMS +/-10%
4	5.75	SINGLE ENDED	50 OHMS +/-10%
6	4.75 / 7.25 MIL	DIFFERENTIAL	100 OHMS +/-10%
6	6.00	SINGLE ENDED	50 OHMS +/-10%

krtkl_6lyr_122315.pdf FOR COMPLETE STACK-UP DETAIL

CORP. NO.

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IAW ASME Y14.100-2000
- DIMENSIONING & TOLERANCING IAW ASME Y14.5-1994
- PARENTHETICAL INFORMATION FOR REFERENCE ONLY
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- DIMENSIONS ARE IN INCHES
- TOLERANCES ARE: ANGLES .040
  1 PLACE DECIMAL .031
  2 PLACE DECIMAL .010
- SURFACE FINISH 63
- REMOVE ALL BURRS AND SHARP EDGES .010 RAD MAX.
- CONCENTRICITY MACHINED DIA: .002 FIM
- MACHINED TOOL MISMATCH .002 MAX.

DRAWING DESCRIPTION
PCB Fabrication,
Primary Side (TopLayer)

DESIGNER	D. BEANE	01AUG2015
CHECK BY	B. HAMMOND	01AUG2015
Q. A. BY	J. WEATHERBEE	01AUG2015

DOCUMENT NUMBER 15100501-05 | REV. 4.0

TITLE
PCB, breakyBreaky breakout board

SHEET 1 of 1 | SIZE D | SCALE 1:1

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