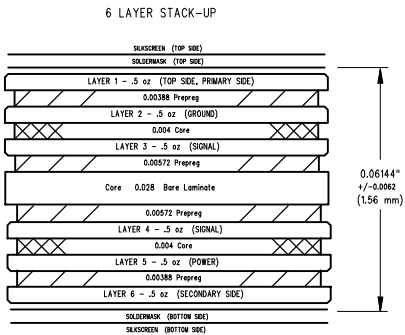
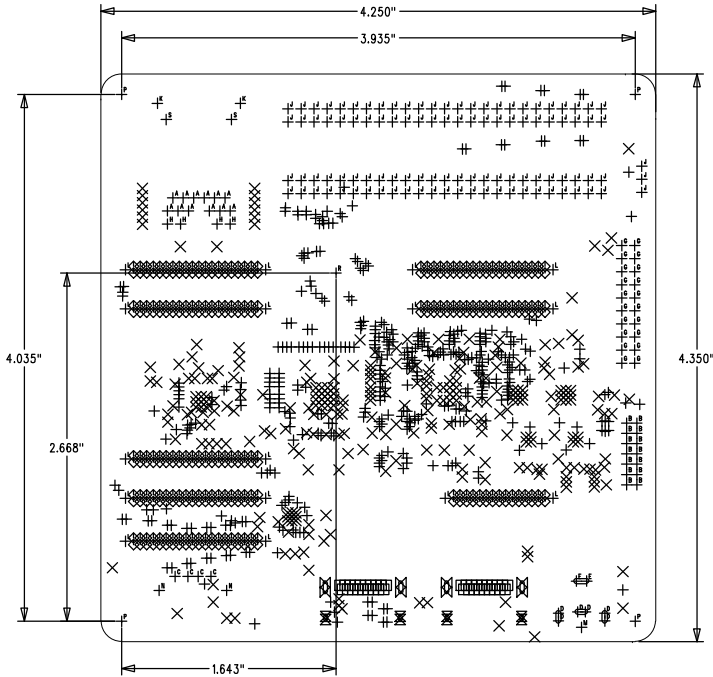


NOTES: UNLESS OTHERWISE SPECIFIED.

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. 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.

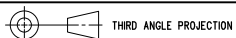


CONTROLLED IMPEDANCE

LAYER	TRACE WIDTH/SPACING	TYPE	IMPEDANCE
1	4.75 / 7.25 MIL	DIFFERENTIAL	100 OHMS +/-10%
1	5.75 / 6.25 MIL	SINGLE ENDED	90 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_6lvr_122315.pdf FOR COMPLETE STACK-UP DETAIL

SIZE	QTY	SYM	PLATED	TOL
0.006	415	+	YES	+/-0.003
0.01	294	×	YES	+/-0.003
0.01772	38	□	YES	+/-0.003
0.0252	310	◇	YES	+/-0.003
0.0315 x 0.05512	4	⊠	YES	+/-0.003
0.0315 x 0.10236	4	⊠ ^A	YES	+/-0.003
0.03504	12	⊠ ^B	YES	+/-0.003
0.03543	14	⊠ ^C	YES	+/-0.003
0.03622	4	⊠ ^D	YES	+/-0.003
0.03937 x 0.09843	3	⊠ ^E	YES	+/-0.003
0.03937 x 0.11811	1	⊠ ^F	YES	+/-0.003
0.04	20	⊠ ^G	YES	+/-0.003
0.04016	4	⊠ ^H	YES	+/-0.003
0.0437	103	⊠ ^J	YES	+/-0.003
0.05512	2	⊠ ^K	YES	+/-0.003
0.05787	16	⊠ ^L	NO	+/-0.002
0.06299	1	⊠ ^M	NO	+/-0.002
0.09055	2	⊠ ^N	YES	+/-0.003
0.125	4	⊠ ^P	NO	+/-0.002
0.1252	1	⊠ ^R	YES	+/-0.003
0.12795	2	⊠ ^S	YES	+/-0.003



THIRD ANGLE PROJECTION

- UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.100-2000
 - DIMENSIONING & TOLERANCING IN ACCORDANCE WITH ASME Y14.5-1994
 - PARENTHESES 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	24MAR2016
CHECK BY	B. HAMMOND	24MAR2016
Q. A. BY	J. WEATHERBEE	24MAR2016

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DOCUMENT NUMBER
15081802-05

REV.
3.7

TITLE

PCB, piSmasher SBC

SHEET

1 of 1

SIZE

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SCALE

1:1

krtkl

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CORP. NO.

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