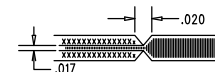


A cross-sectional diagram of a six-layer printed circuit board (PCB). The layers are labeled as follows:

- L1 - TOP COMPONENT SIDE
- L2 - GND PLANE
- L3 - GND/TRACE
- L4 - GND/TRACE
- L5 - GND/TRACE
- L6 - BOTTOM COMPONENT SIDE

1. FAB PER IPC-A-600.
2. MATERIAL: -EPOXY FIBERGLASS, NEMA GRADE FR-4  
-FINISHED THICKNESS TO BE 0.062 +/- .005  
-TOTAL OF 6 LAYERS WITH 2 OZ. CU ON THE OUTER LAYERS  
AND 1 OZ. CU ON THE INNER LAYERS.  
-FLAMMABILITY RATING: 94 V-0 MINIMUM.
3. SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.  
0.00" ARE PRIMARY DATUMS.
4. DRILLING: -DRILL HOLES PER SCHEDULE. PLATE THROUGH  
HOLES WITH COPPER, 0.001" THICK MIN.  
-ALL HOLE SIZES ARE SPECIFIED AFTER PLATING.  
-HOLE LOCATION TOLERANCES ARE +/-0.003  
IN RELATION TO CENTER  
-FOR VIA SIZE > 0.01, VIAS HOLES NEED TO BE PLUGGED  
AND COVERED WITH SOLDERMASK.
5. FINISH: -SMOBC USING LPI BOTH SIDES, COLOR GLOSS GREEN.  
-GOLD IMMERSION BOTH SIDES.  
(LEAD FREE SOLDER CAN BE USED FOR PROTOTYPE)  
-FOR SILKSCREEN: BOTH SIDES USE WHITE NON-CONDUCTIVE INK.
6. DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.  
PAD SIZE CAN BE MODIFIED TO MEET END FINISH.
7. PCBs ARE TO BE RoHS COMPLIANT.
8. SCORING FOR PANELIZED PCB:

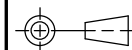


ADDITIONAL REQUIREMENT FOR PROTOTYPE FAB ONLY:

- ADDITIONAL REQUIREMENTS FOR PRODUCTION FAB ONLY:
1. PROVIDE COMPLIANCE CERTIFICATES FOR RoHS, REACH AND CONFLICT-FREE MINERALS.
  2. SOLDERABILITY BOARD WITH TEST RESULTS.
  3. OUTGOING INSPECTION REPORT (BASED ON ACTUAL MEASUREMENTS AND CROSS SECTION).
  4. VACUUM PACKED WITH DESICCANT.
  5. FULL PANEL WITH NO REJECT.

SIZE	QTY	SYM	PLATED	TOL
0.01	1036	+	YES	+/-0.003
0.187	8	X	NO	+/-0.003
0.07	2	□	NO	+/-0.003
0.006	100	◇	YES	+/-0.003
0.065	25	⊗	YES	+/-0.003
0.035	68	⊗	YES	+/-0.003
0.15	10	⊕ <sup>A</sup>	YES	+/-0.003
0.094	2	⊕ <sup>B</sup>	YES	+/-0.003
0.189	4	⊕ <sup>C</sup>	YES	+/-0.003

UNLESS OTHERWISE SPECIFIED:  
DIMENSIONS ARE IN INCHES  
TOLERANCES:  
0.XX =  $\pm 0.01$   
0.XXX =  $\pm 0.005$   
INTERPRET DIM AND TOL  
PER ASME Y14.5M-1994  
THIRD ANGLE PROJECTION



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TITLE: FABRICATION DRAWING  
MULTIPHASE BOOST CONVERTER  
EXPANDER WITH INTERNAL GATE DRIVERS

SIZE N/A	IC NO. LT8551EUKG DC2332A	RE 4
FILENAME: DC2332A-4.PCB		SHT 1 OF