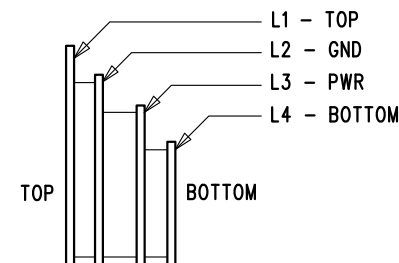


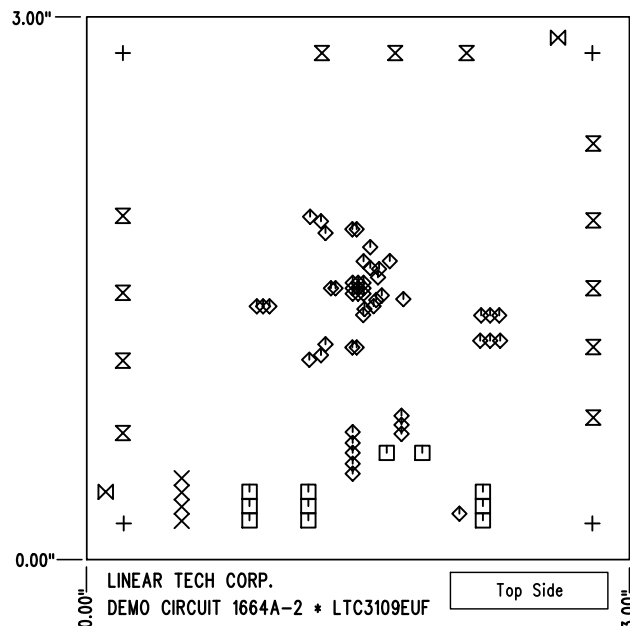
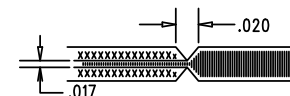
| REVISION HISTORY |     |                |          |          |
|------------------|-----|----------------|----------|----------|
| ECO              | REV | DESCRIPTION    | APPR     | DATE     |
| -                | 2   | PRODUCTION FAB | JAMES N. | 05-20-10 |

## LAYER STRUCTURE



## NOTES: UNLESS OTHERWISE SPECIFIED

- FAB PER IPC-A-600.
- MATERIAL: -EPOXY FIBERGLASS, NEMA GRADE FR-4  
-FINISHED THICKNESS TO BE 0.062" +/- .005"  
-TOTAL OF 4 LAYERS WITH 2 OZ. CU ON THE OUTER LAYERS AND 1 OZ. CU ON THE INNER LAYERS.  
-FLAMMABILITY RATING: 94 V-0 MINIMUM.
- SIZE: CUT TO DIMENSIONS AND TOLERANCES SHOWN.  
0.00 ARE PRIMARY DATUMS.
- 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
- FINISH: -SMOBC USING LPI BOTH SIDES, COLOR GREEN.  
-GOLD IMMERSION BOTH SIDES.  
(LEAD FREE SOLDER CAN BE USED FOR PROTOTYPE)  
-FOR SILKSCREEN: BOTH SIDES USE WHITE NON-CONDUCTIVE INK.
- DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.  
PAD SIZE CAN BE MODIFIED TO MEET END FINISH.
- PCBS ARE TO BE RoHS COMPLIANT.
- DO NOT ALTER SOLDER MASK MAINTAIN .0018" OVERSIZE ON SMT PADS. A .005" WEBBING IS REQUIRED BETWEEN SMD PADS.
- SCORING FOR PANELIZED PCB: "PRODUCTION FAB ONLY"



LINEAR TECH CORP.  
DEMO CIRCUIT 1664A-2 \* LTC3109EUF  
AUTO-POLARITY, ULTRALOW VOLTAGE  
STEP-UP CONVERTER AND POWER MANAGER  
DATE: 05-20-2010

| SIZE  | QTY | SYM | PLATED | TOL      |
|-------|-----|-----|--------|----------|
| 0.187 | 4   | +   | NO     | +/-0.003 |
| 0.037 | 4   | X   | YES    | +/-0.003 |
| 0.035 | 11  | □   | YES    | +/-0.003 |
| 0.01  | 51  | ◇   | YES    | +/-0.003 |
| 0.095 | 12  | ⊗   | YES    | +/-0.003 |
| 0.07  | 2   | ⊗   | NO     | +/-0.003 |

|   |           |               |   |
|---|-----------|---------------|---|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ON ANGLE ±1<br>0.XX" = ±0.01"<br>0.XXX" = ±0.005"<br>INTERPRET DIM AND TOL<br>PER ASME Y14.5M-1994 | APPROVALS |               | <p>1630 MCCARTHY BLVD<br/>MILPITAS, CA 95035<br/>PH: (408)432-1900<br/>www.linear.com<br/>LTC CONFIDENTIAL-<br/>FOR CUSTOMER USE ONLY</p> |
|   | PCB DES.  | NC            |   |
| THIRD ANGLE PROJECTION  | APP ENG.  | JAMES N.      | TITLE: FABRICATION DRAWING:<br>AUTO-POLARITY, ULTRALOW VOLTAGE<br>STEP-UP CONVERTER AND POWER MANAGER                                     |
|   |           |               |   |
| DO NOT SCALE DRAWING  | SCALE:    | NONE          | SIZE N/A IC NO. LTC3109EUF<br>DEMO CIRCUIT 1664A REV. 2   |
|   | FILENAME: | DC1664A-2.PCB |   |
|   |           |               | SHT 1 of 1  |