## REVISION HISTORY

| ECO | REV | DESCRIPTION | APPROVAL | DATE |
|-----|-----|-------------|----------|------|
| | 1 | PRODUCTION | SAM Y. | 07/12/11 |

## NOTES: UNLESS OTHERWISE SPECIFIED,

1. ARTWORK P/N DC1668B REV 1.
2. FAB PER IPC-A-600
3. PCB SHALL MEET RoHS COMPLIANCE.
4. MATERIAL:
   - A. LAMINATE: EPOXY FIBERGLASS, NEMA GRADE FR-4 FLAMMABILITY RATING: 94 V-2 MINIMUM.
   - B. THICKNESS: 1.6 +/- 0.1 mm
   - C. CLAD: 2 OZ. (50um) EXTERNAL LAYERS.
     1 OZ. (25um) COPPER ON TWO INTERNAL LAYERS.
5. FINISH:
   - A. COATING: SOLDERMASK OVER BARE COPPER, COLOR, GREEN LPI.
   - B. PLATING: GOLD IMMERSION BOTH SIDES.
   - C. SILKSCREEN: COMPONENT SIDE WITH WHITE NON-CONDUCTIVE INK.
6. TOLERANCES:
   - A. WARPAGE: (0.075mm) MAX. ALONG THE LONGEST DIAG. AS PER IPC-TM650 METHOD 2.4.22.
   - B. ETCHING: +0.03mm, -0.3mm OF MASTER PATTERN.
   - C. REGISTRATION: 0.075mm MAX.
   - D. MASK THICKNESS: 0.025mm MIN., 0.075mm MAX.
   - E. HOLE PLATING: 22um +/- 3um.
7. SIZE:
   - A. CUT TO DIMENSIONS AND TOLERANCES SHOWN. 0.00 ARE PRIMARY DATUMS.
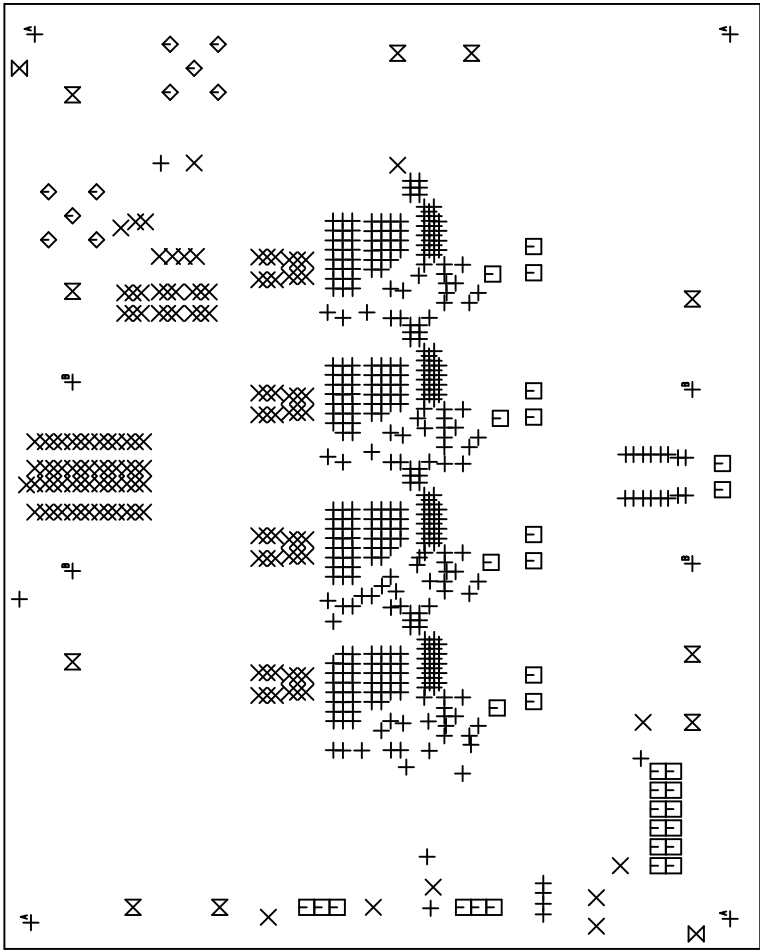8. HOLE DIAMETERS ARE POST-PLATED SIZES.
9. DEBURR AND BREAK ALL SHARP EDGES.
10. DO NOT ALTER ARTWORK e.g. TO ADD LOGO OR DATE CODE.

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125.0mm

100.0mm

COMPONENT SIDE SHOWN
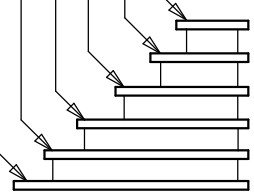
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## LAYER CONSTRUCTION

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

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| SIZE | QTY | SYM | PLATED | TOL |
|------|-----|-----|--------|------|
| 0.25 | 403 | + | YES | +/-0.08 |
| 0.5 | 135 | ✕ | YES | +/-0.08 |
| 0.9 | 32 | ☐ | YES | +/-0.08 |
| 1.4 | 10 | ◇ | YES | +/-0.13 |
| 1.8 | 2 | ⊠ | NO | +/-0.13 |
| 2.4 | 10 | ⊠ | YES | +/-0.13 |
| 4.7 | 4 | +A | NO | +/-0.25 |
| 5.2 | 4 | +B | YES | +/-0.25 |

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## APPROVALS

| PCB DES. | MI |
|----------|-----|
| APP. ENG. | SAM Y. |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES ON ANGLE ±1°
XX: ± 0.254
XXX ± 0.127
INTERPRET DIM AND TOL PER ASME Y14.5M-1994
THIRD ANGLE PROJECTION
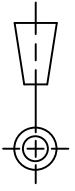
LINEAR TECHNOLOGY

TITLE: FABRICATION DRAWING, HIGH EFFICIENCY POLYPHASE STEP-DOWN POWER µMODULE ®

| SIZE | IC NO. LTM4627EV | REV |
|------|------|-----|
| N/A | PCB NO. DEMO CIRCUIT 1668B | 1 |

| FILENAME: 1668A-1.PCB | SHT 1 of 1 |

SCALE: NONE

DO NOT SCALE DRAWING