

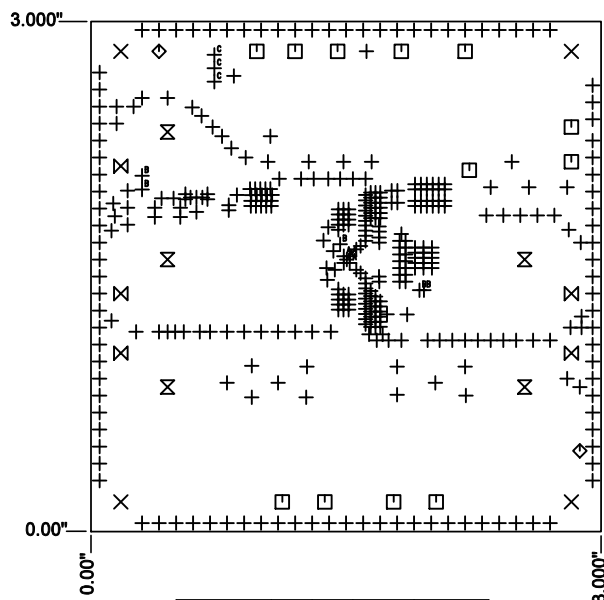
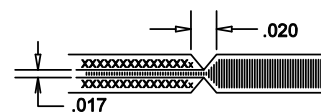
| REVISION HISTORY |     |             |           |          |
|------------------|-----|-------------|-----------|----------|
| ECO              | REV | DESCRIPTION | APP. ENG. | DATE     |
| -                | 01  | PRODUCTION  | WL        | 10-12-21 |

## LAYER STRUCTURE

| THICKNESS (IN) |             |               |
|----------------|-------------|---------------|
| .0005"         | SOLDER MASK | TOP LAYER     |
| .0028"         |             | PREPREG       |
| .012"          |             | INNER LAYER   |
| .0028"         |             | CORE MATERIAL |
| .028"          |             | INNER LAYER   |
| .0028"         |             | PREPREG       |
| .012"          |             | BOTTOM LAYER  |
| .0028"         |             |               |
| .0005"         | SOLDER MASK |               |

## NOTES: UNLESS OTHERWISE SPECIFIED

- FABRICATION: FABRICATION AND ACCEPTANCE TO MEET THE REQUIREMENTS OF IPC-A-600 AND IPC/ANSI-MLL950-C CLASS 2, AOL .25 GENERAL INSPECTION LEVEL II.
- MATERIAL: - EPOXY FIBERGLASS, NEMA GRADE FR-4
  - FINISHED THICKNESS TO BE 0.062" +/- .005"
  - TOTAL OF 4 LAYERS WITH 2 OZ. CU ON THE ALL LAYERS
  - FLAMMABILITY RATING: 94 V-O 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. TENT BOTH SIDES.
  - GOLD IMMERSION BOTH SIDES.
  - 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.
- SCORING FOR PANELIZED PCB:



| SIZE  | QTY | SYM            | PLATED | TOL       |
|-------|-----|----------------|--------|-----------|
| 0.01  | 5   | ⊕ <sup>B</sup> | YES    | +/-0.003  |
| 0.011 | 5   | ⊕ <sup>A</sup> | YES    | +/-0.003  |
| 0.012 | 385 | +              | YES    | +/-0.003  |
| 0.04  | 3   | ⊕ <sup>E</sup> | YES    | +/-0.003" |
| 0.065 | 12  | □              | YES    | +/-0.003" |
| 0.07  | 2   | ◇              | NO     | +/-0.003" |
| 0.095 | 5   | ⊗              | YES    | +/-0.003" |
| 0.19  | 4   | ⊗              | YES    | +/-0.003" |
| 0.205 | 5   | ⊗              | YES    | +/-0.003  |

### ADDITIONAL REQUIREMENT FOR PROTOTYPE FAB ONLY:

- OUTGOING INSPECTION REPORT (BASED ON ACTUAL MEASUREMENTS AND CROSS SECTION).

### ADDITIONAL REQUIREMENTS FOR PRODUCTION FAB ONLY:

- PROVIDE COMPLIANCE CERTIFICATES FOR RoHS, REACH AND CONFLICT-FREE MINERALS.
- SOLDERABILITY BOARD WITH TEST RESULTS.
- OUTGOING INSPECTION REPORT (BASED ON ACTUAL MEASUREMENTS AND CROSS SECTION).
- VACUUM PACKED WITH DESICCANT.
- FULL PANEL WITH NO REJECT.

|  |              |    |   |
|--|--------------|----|---|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>0.XX" = ±0.01"<br>0.XXX" = ±0.005"<br>INTERPRET DIM AND TOL<br>PER ASME Y14.5M-1994<br>THIRD ANGLE PROJECTION | APPROVALS    |    | <br>FOR ADI CUSTOMER USE ONLY   |
|  | PCB DES      | NC | TITLE: FABRICATION DRAWING<br>3.3V TO 0.75V AT 12.5A, 2MHz AUTOMOTIVE<br>LOW EMI BUCK REGULATOR |
|  | APP ENG      | WL |   |
|  |              |    |   |
|  | SCALE = NONE |    | SIZE IC NO. LTC3311-0.75<br>N/A DEMO CIRCUIT 3217A  |
|  |              |    | REV 01  |