


## NOTES: UNLESS OTHERWISE SPECIFIED

1. WORKMANSHIP SHALL BE IN ACCORDANCE WITH IPC-A-610.
2. ASSEMBLY PROCESS SHALL INCLUDE: REFLOW SOLDER TOP SIDE SMD. MAXIMUM SOLDER TEMPERATURE IS 240 DEGREES CELSIUS.
3. PARTS TO OMIT WILL BE SPECIFIED ON THE BILL OF MATERIALS. LOCATIONS OF OMITTED PARTS SHALL BE FREE OF SOLDER. MASK THE SOLDER STENCIL WHERE SMT PARTS ARE OMITTED.
4. INSTALL SHUNTS AS SHOWN.
5. DEPANELIZE BOARDS AFTER ASSEMBLY AND ROUTE-OUT THE BREAKOUT TABS ON FOUR SIDES OF THE BOARD EDGE.
6. DO NOT APPLY ANY KIND OF ASSEMBLY STAMP OR QA STAMP TO ANY BOARD.
7. MARK EACH SUFFIX AND ASSEMBLY TYPE IN THE WHITE BLOCK AREAS WITH BLACK PERMANENT MARKER AS SHOWN IN TABLE BELOW:

| ASSY | U1        | SUFFIX |
|------|-----------|--------|
| -A   | LTC2941   | 1      |
| -B   | LTC2942   | 2      |
| -C   | LTC2941-1 | 1-1    |
| -D   | LTC2942-1 | 2-1    |

| APPROVALS               |        |  <b>LINEAR TECHNOLOGY</b><br>1630 MCCARTHY BLVD<br>MILPITAS, CA 95035<br>PH: (408)432-1900<br>www.linear.com<br>LTC CONFIDENTIAL-<br>FOR CUSTOMER USE ONLY |   |
|-------------------------|--------|---|---|
| PCB DES.                | KIM T. |   |   |
| APP ENG.                | SAL A. | TITLE: TOP ASSEMBLY DRAWING   |   |
|                         |        | <b>BATTERY GAS GAUGE WITH I2C</b>   |   |
|                         |        | SIZE<br>N/A   | IC NO. LTC294XIDCB FAMILY<br>DEMO CIRCUIT 1496C |
| SCALE = NONE            |        | REV.<br>1   |   |
| FILENAME: DC1496C-1.PCB |        | SHT 1 OF 2  |   |

| REVISION HISTORY |     |                     |           |          |
|------------------|-----|---------------------|-----------|----------|
| ECO              | REV | DESCRIPTION         | APP. ENG. | DATE     |
| -                | 1   | REBUILD WITH CHANGE | SAL A.    | 12-04-14 |