

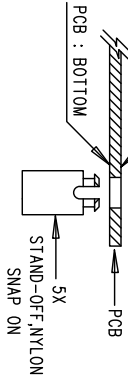
REVISION HISTORY				
ECO	REV	DESCRIPTION	APPR	DATE
-	4	PRODUCTION	JMM D.	3-11-14

NOTES: UNLESS OTHERWISE SPECIFIED

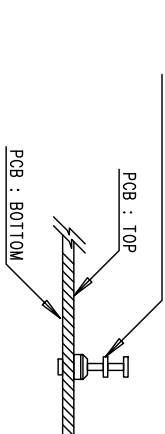
1. WORKMANSHIP SHALL BE IN ACCORDANCE WITH IPC-A-610.
2. ASSEMBLY PROCESS SHALL INCLUDE: REFLOW SOLDER TOP SIDE SMD. MAXIMUM SOLDER TEMPERATURE IS <250 DEGREES CELSIUS.
3. PARTS TO OMIT WILL BE SPECIFIED ON THE BILL OF MATERIALS LOCATIONS OF OMITTED PARTS SHALL BE FREE OF SOLDER. MASK THE SOLDER STENCIL WHERE SMT PARTS ARE OMITTED.
4. INSTALL SHUNTS AS SHOWN ON ASSY DRAWING.
5. DEPANELIZE BOARDS AFTER ASSEMBLY AND ROUTE-OUT THE BREAKOUT TABS ON FOUR SIDES OF THE BOARD EDGE.
6. APPLY ASSEMBLY STAMP OR QA STAMP ON BOTTOM SIDE OF BOARD.
7. INSTALL TURRETS, STAND-OFFS AND BANANA JACKS AS SHOWN BELOW:

PCB : TOP

DETAIL "A"



(5 PLCS) : MILL-MAX 2308
(18 PLCS) : MILL-MAX 2501--2



8. INSTALL LED'S DIE-DEE AS SHOWN:
LITE-ON, LTST-C190KGKT

DIE-DEE

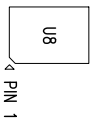
D15, D16

PIN 1 ANODE

PIN 1 ANODE

9. INSTALL U8 AS SHOWN BELOW:

TOP VIEW



4 PIN 1

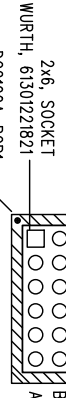
NOTE: FOR ASSEMBLY AND REFLOW RECOMMENDATIONS
PLEASE USE LINK PROVIDED BELOW:
http://cds.linear.com/docs/en/product-info/L2_Bd-assy_July2012.pdf

[10] THERE ARE 4 ASSEMBLY VERSIONS FOR THIS DESIGN: -A AND -B, -C AND -D.
PLEASE SEE BILL OF MATERIALS TO MARK EACH VERSION
CORRECTLY BY BLACK PERMANENT MARKER.

[11] INSTALLATION OF DC2100A-ASSY 1 FOR DC2100A-A, -B, -C AND -D, IS AS FOLLOWS:
REFER TO FIG. 1A, 1B, 1C AND 1D.

- PLUG ASSY 1 INTO JP7 ROWS B AND C FOR BUILD OTION -A AND -C
- PLUG ASSY 1 INTO JP7 ROWS A AND B FOR BUILD OTION -B AND -D
- PLACE ASSEMBLY WITH SILKSCREEN DOT FACING UP.

FIG. 1A



DC2100A-PCB1

HDR 3X6

JP7



PIN 1

DC2100A-PCB1

2x6, SOCKET

WURTH, 61301221821

FIG. 1C

SIDE VIEW

APPROVALS		REVISION HISTORY	
PCB DES. INC.	DATE	ECO	REV
APP. ENG. JIM D.	DATE	-	4
TITLE: TOP ASSEMBLY DRAWING: HIGH EFFICIENCY BIDIRECTIONAL MULTICELL BATTERY BALANCER		DESCRIPTION	APPD
SIZE	IC NO. LTC3300LKE-*/LTC3300LKE-2-REV.	DATE	DATE
N/A	DEMO CIRCUIT 2100A	JIM D.	3-11-14
SCALE = NONE	FILENAME: DC2100A-4.PCB	SMT 1 of 2	