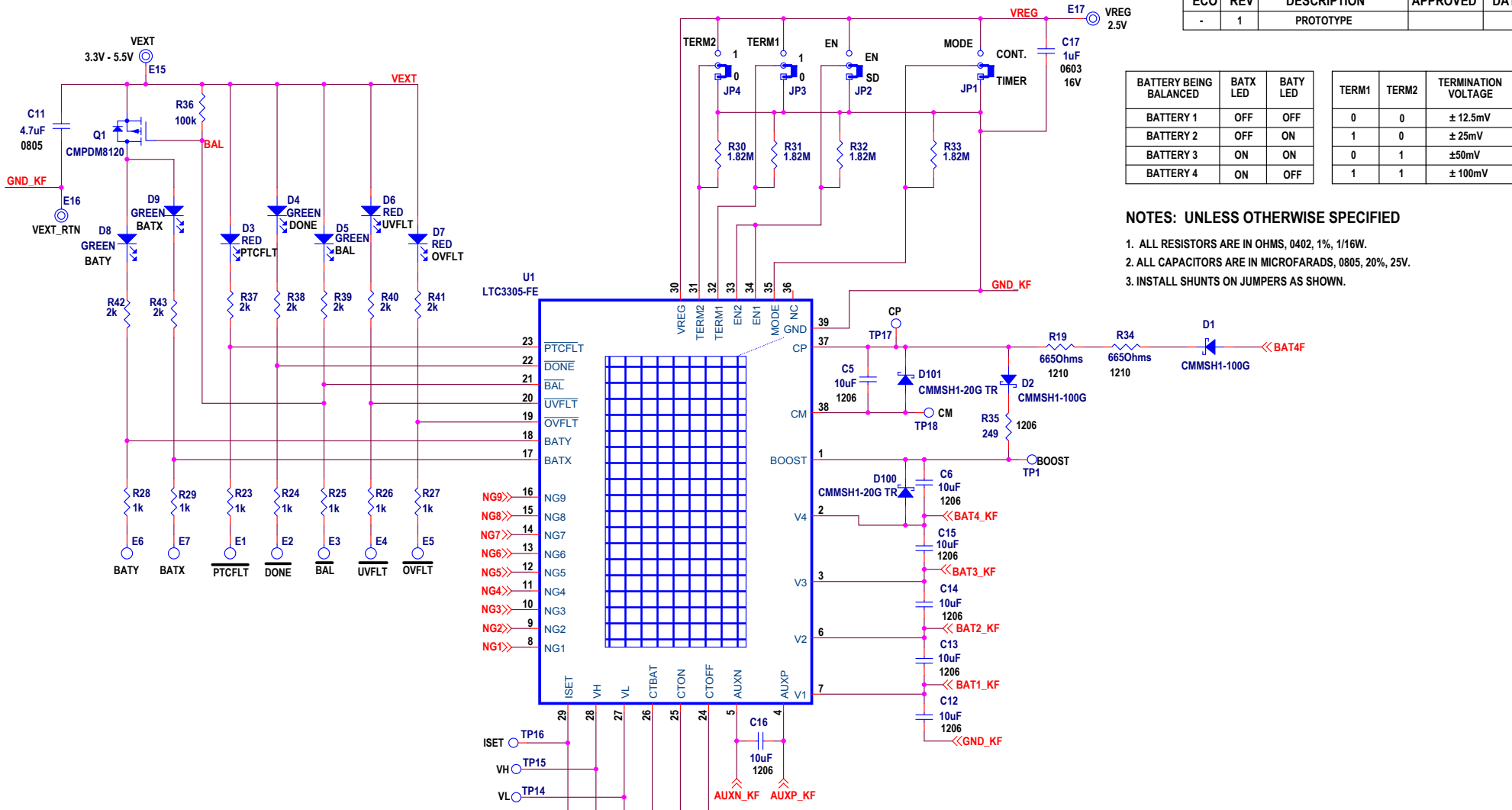


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	1	PROTOTYPE		

BATTERY BEING BALANCED	BATX LED	BATY LED
BATTERY 1	OFF	OFF
BATTERY 2	OFF	ON
BATTERY 3	ON	ON
BATTERY 4	ON	OFF

TERM1	TERM2	TERMINATION VOLTAGE
0	0	± 12.5mV
1	0	± 25mV
0	1	±50mV
1	1	± 100mV

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE IN OHMS, 0402, 1%, 1/16W.
2. ALL CAPACITORS ARE IN MICROFARADS, 0805, 20%, 25V.
3. INSTALL SHUNTS ON JUMPERS AS SHOWN.

CUSTOMER NOTICE

LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.

APPROVALS	
PCB DES.	NC
APP ENG.	WT

LINEAR TECHNOLOGY
1630 McCarthy Blvd.
Milpitas, CA 95035
Phone: (408)432-1900 www.linear.com
Fax: (408)434-0507
LTC Confidential-For Customer Use Only

IC NO. LTC3305

TITLE: DEMO CIRCUIT SCHEMATIC,

LEAD ACID BATTERY BALANCER

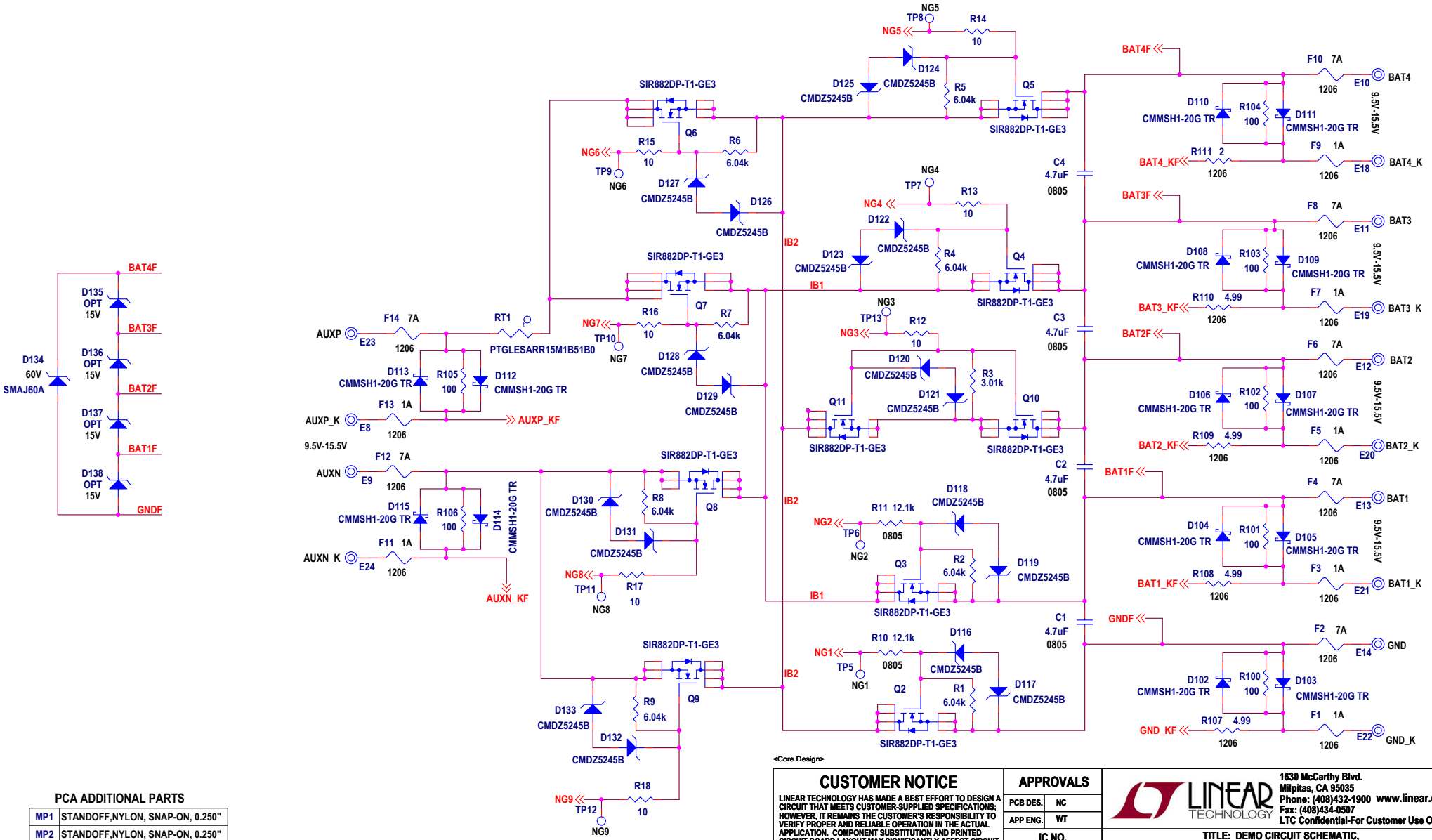
SKU NO. DC2043B

PCA BOM: 700-DC2043B_REV01

PCA ASS'Y: 705-DC2043B_REV01

SCHEMATIC NO. AND REVISION: 710-DC2043B_REV01

SIZE: N/A | SCALE = NONE | DATE: Wednesday, July 27, 2016 | SHEET 1 OF 2



<Core Design>

PCA ADDITIONAL PARTS

MP1	STANDOFF,NYLON, SNAP-ON, 0.250"
MP2	STANDOFF,NYLON, SNAP-ON, 0.250"
MP3	STANDOFF,NYLON, SNAP-ON, 0.250"
MP4	STANDOFF,NYLON, SNAP-ON, 0.250"
LB1	LABEL
PCB1	PCB, DC2043B REV01

NOTES: UNLESS OTHERWISE SPECIFIED

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3. INSTALL SHUNTS ON JUMPERS AS SHOWN.

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APPROVALS	
PCB DES.	NC
APP ENG.	WT

IC NO. LTC3305

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TITLE: DEMO CIRCUIT SCHEMATIC,

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PCA BOM: 700-DC2043B_REV01
PCA ASS'Y: 705-DC2043B_REV01

SCHEMATIC NO. AND REVISION: 710-DC2043B_REV01

SIZE: N/A | SCALE = NONE | DATE: Tuesday, July 26, 2016 | SHEET 2 OF 2