

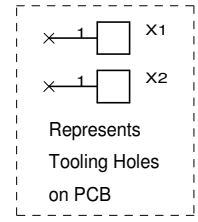
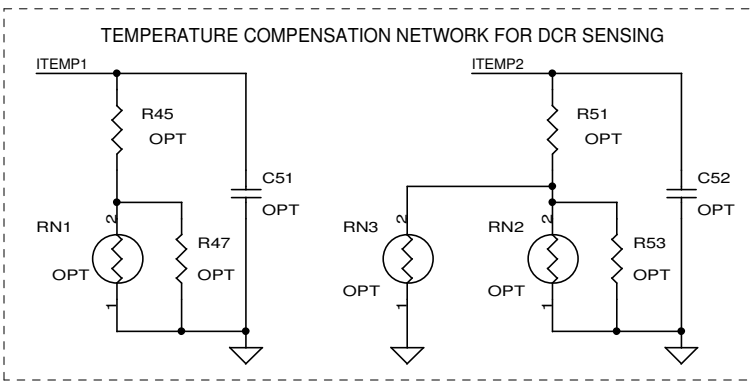
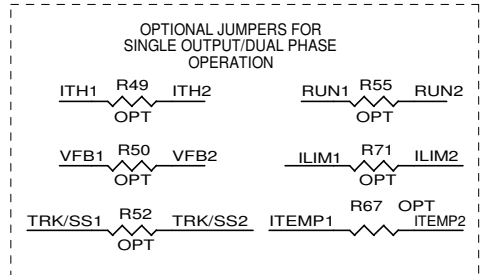
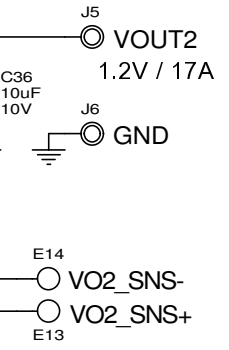
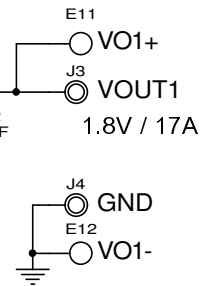
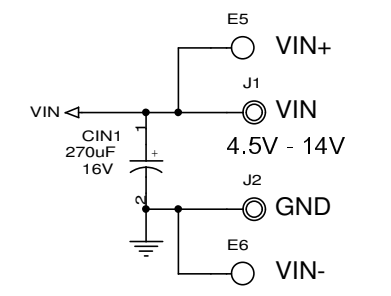
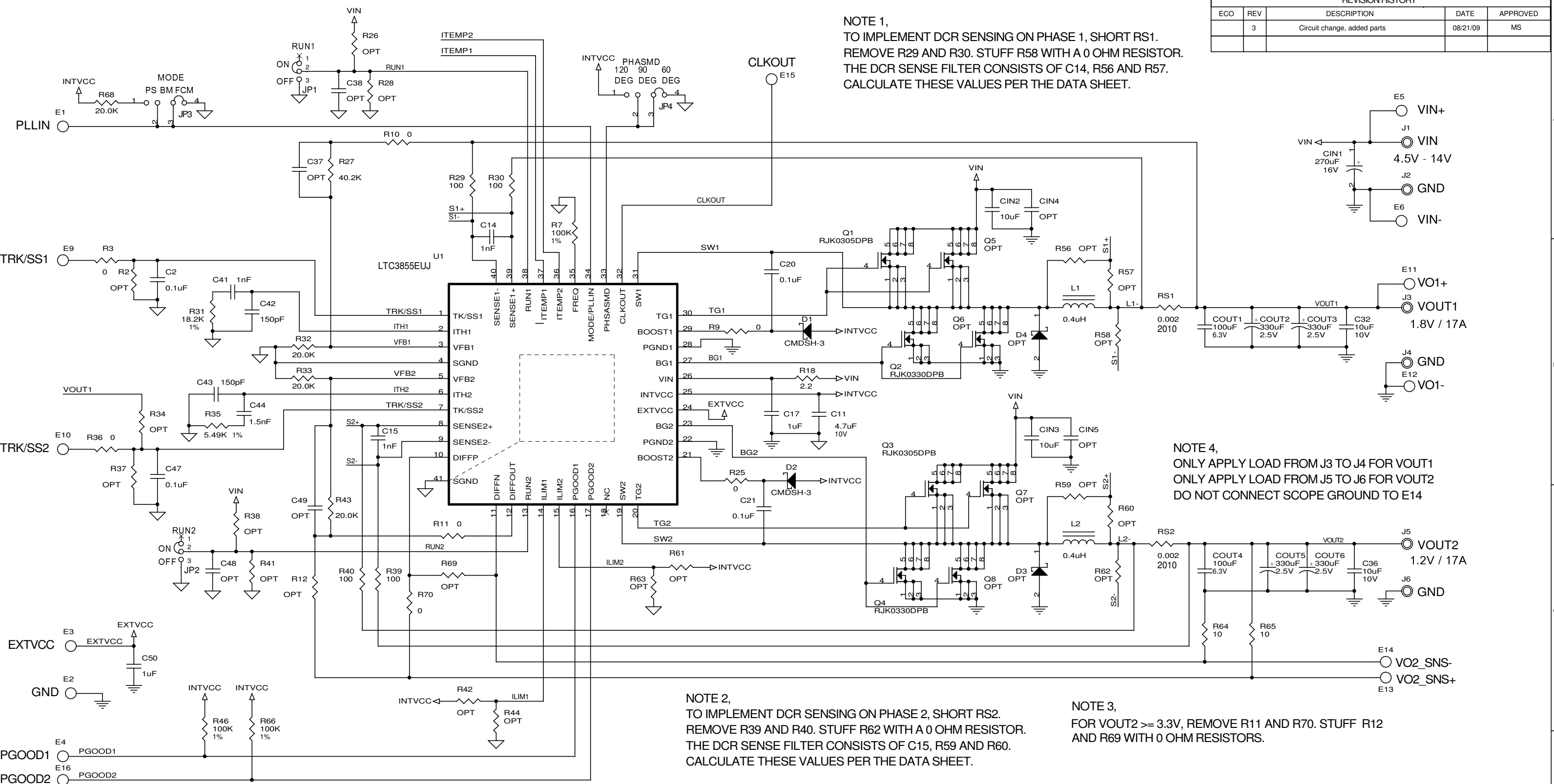
REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
	3	Circuit change, added parts	08/21/09	MS

NOTE 1,
TO IMPLEMENT DCR SENSING ON PHASE 1, SHORT RS1.
REMOVE R29 AND R30. STUFF R58 WITH A 0 OHM RESISTOR.
THE DCR SENSE FILTER CONSISTS OF C14, R56 AND R57.
CALCULATE THESE VALUES PER THE DATA SHEET.

NOTE 4,
ONLY APPLY LOAD FROM J3 TO J4 FOR VOUT1
ONLY APPLY LOAD FROM J5 TO J6 FOR VOUT2
DO NOT CONNECT SCOPE GROUND TO E14

NOTE 2,
TO IMPLEMENT DCR SENSING ON PHASE 2, SHORT RS2.
REMOVE R39 AND R40. STUFF R62 WITH A 0 OHM RESISTOR.
THE DCR SENSE FILTER CONSISTS OF C15, R59 AND R60.
CALCULATE THESE VALUES PER THE DATA SHEET.

NOTE 3,
FOR VOUT2 >= 3.3V, REMOVE R11 AND R70. STUFF R12
AND R69 WITH 0 OHM RESISTORS.



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.
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

CONTRACT NO.			1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
APPROVALS			TITLE: SCHEMATIC	
PCB DES.	MI	DUAL OUTPUT SYNCHRONOUS BUCK CONVERTER		
ENG.	MS	SIZE	IC NO.	REV
			LTC3855EUJ	3
			DEMO CIRCUIT 1441A	
DATE: Friday, November 20, 2009		SHEET 1 OF 1		