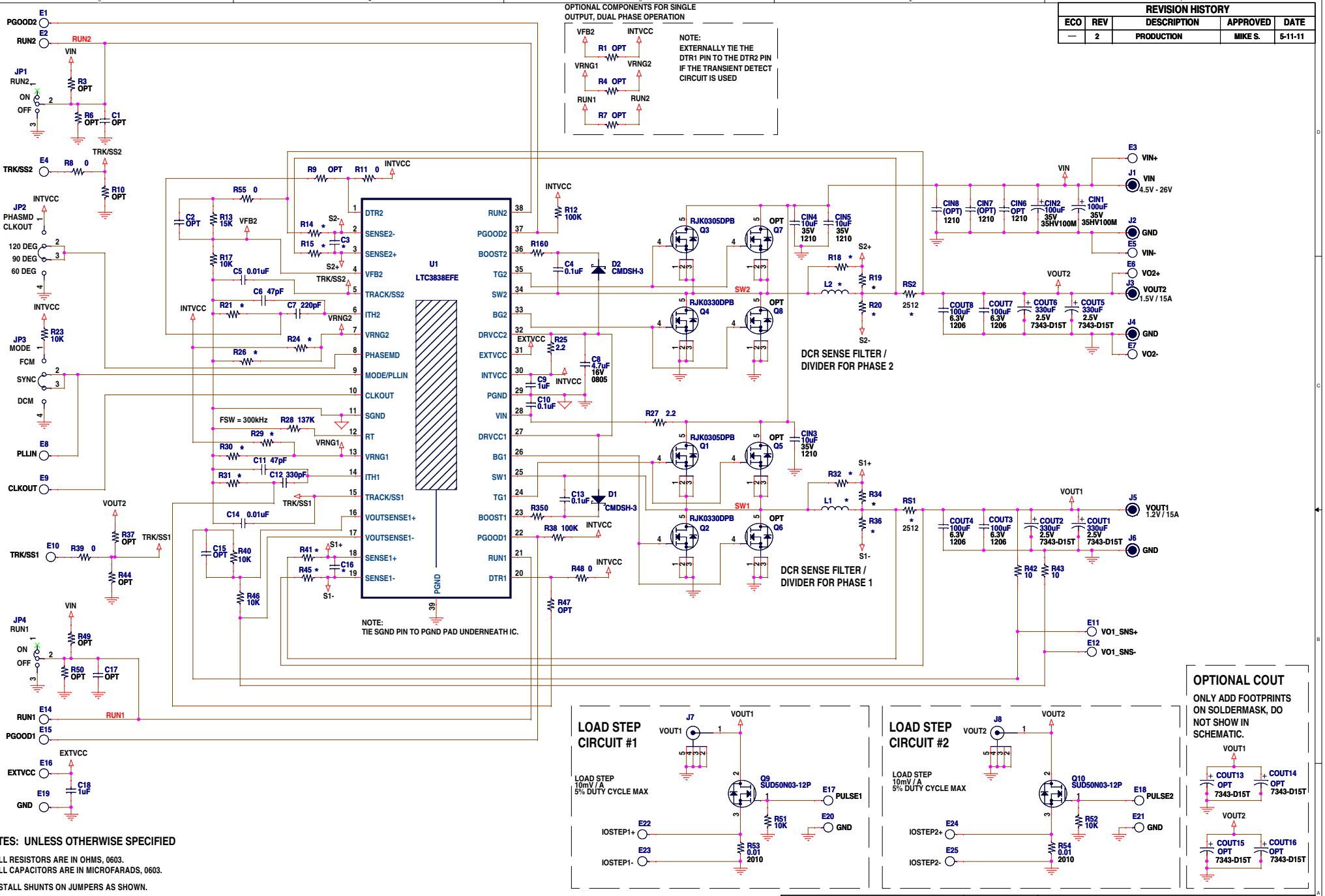

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
—	2	PRODUCTION	MIKE S.	5-11-11

NOTES: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE IN OHMS, 0603.
   ALL CAPACITORS ARE IN MICROFARADS, 0603.
2. INSTALL SHUNTS ON JUMPERS AS SHOWN.

ASSY	L1,L2	C16, C3	R32, R18	R34,R19	R36,R20	R41,R45, R14,R15,	RS1, RS2	R29,R24	R30,R26	R31	R21
-A (DCR SENSE)	Vishay IHLP4040DZ-01 0.56uH	0.1uF	4.02K	11K	0	OPT	0.000 Ohm 2512	OPT	0	17.4K	40.2K
-B (RSENSE)	WURTH 7443330068(0.68uH)	1000pF	OPT	OPT	OPT	10	0.0025 Ohm 2512	0	OPT	20K	45.3K

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.

APPROVALS	
PCB DES.	HZ
APP ENG.	MIKE S.

LINEAR TECHNOLOGY
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TITLE: SCHEMATIC

WIDE INPUT RANGE, HIGH EFFICIENCY DUAL STEP-DOWN DC-DC CONVERTER

SIZE	IC NO.	REV.
N/A	LTC3838EFE DEMO CIRCUIT 1626A	2

DATE: Wednesday, October 19, 2011 SCALE = NONE SHEET 1 OF 1