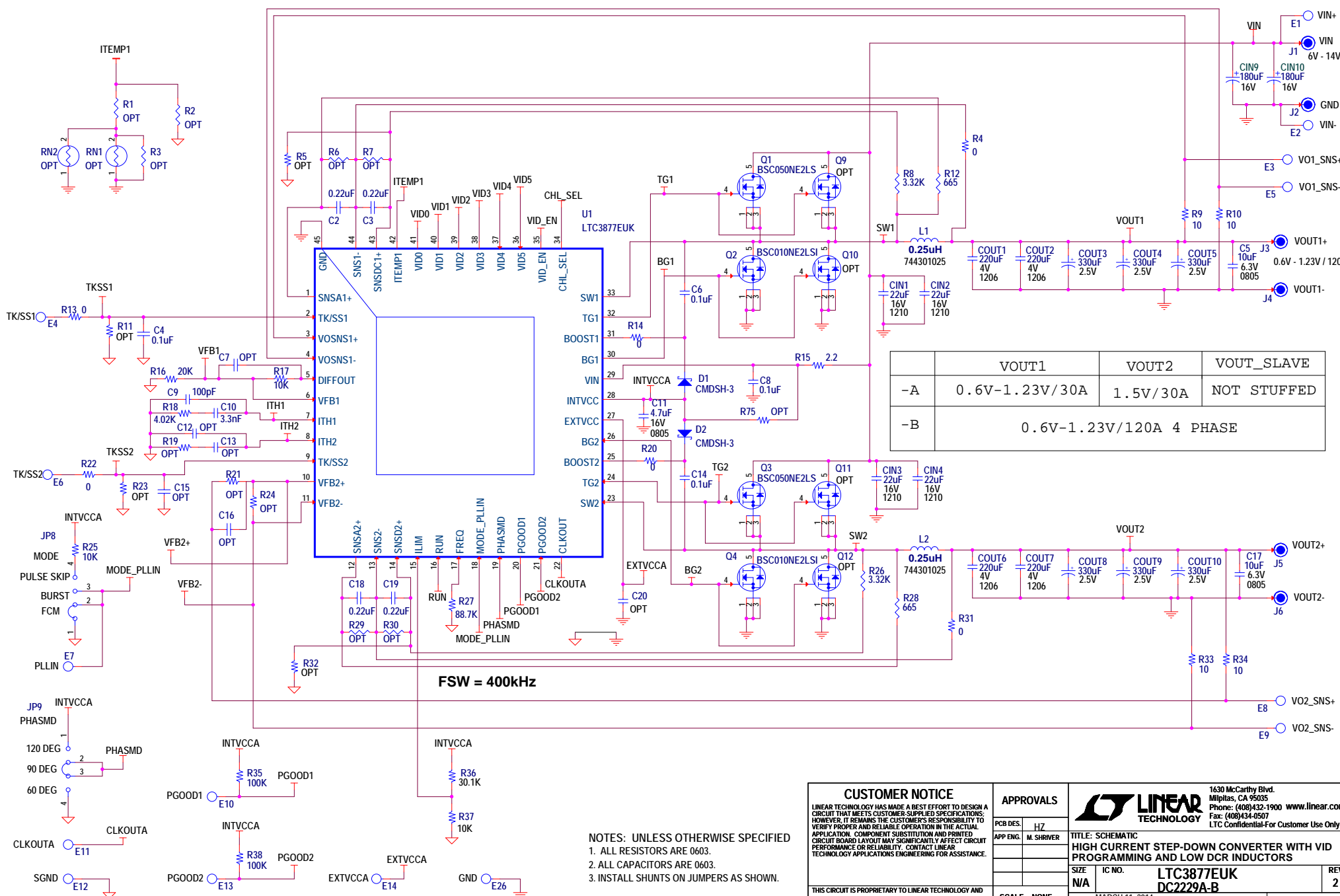
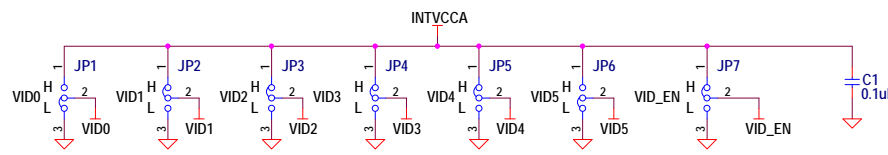


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	2	PRODUCTION	MIKE S.	3-5-15



	VOUT1	VOUT2	VOUT_SLAVE
-A	0.6V-1.23V/30A	1.5V/30A	NOT STUFFED
-B	0.6V-1.23V/120A 4 PHASE		

FSW = 400kHz

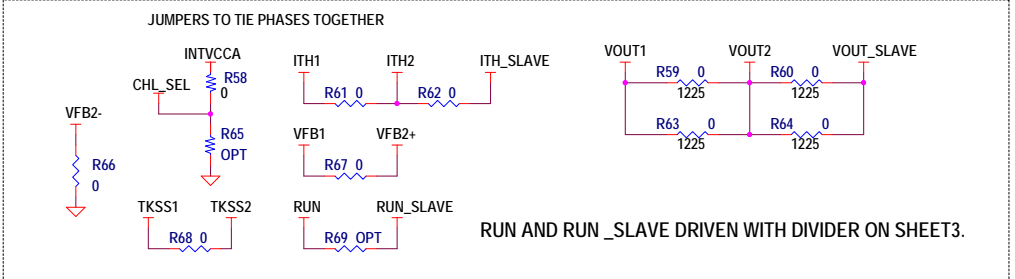
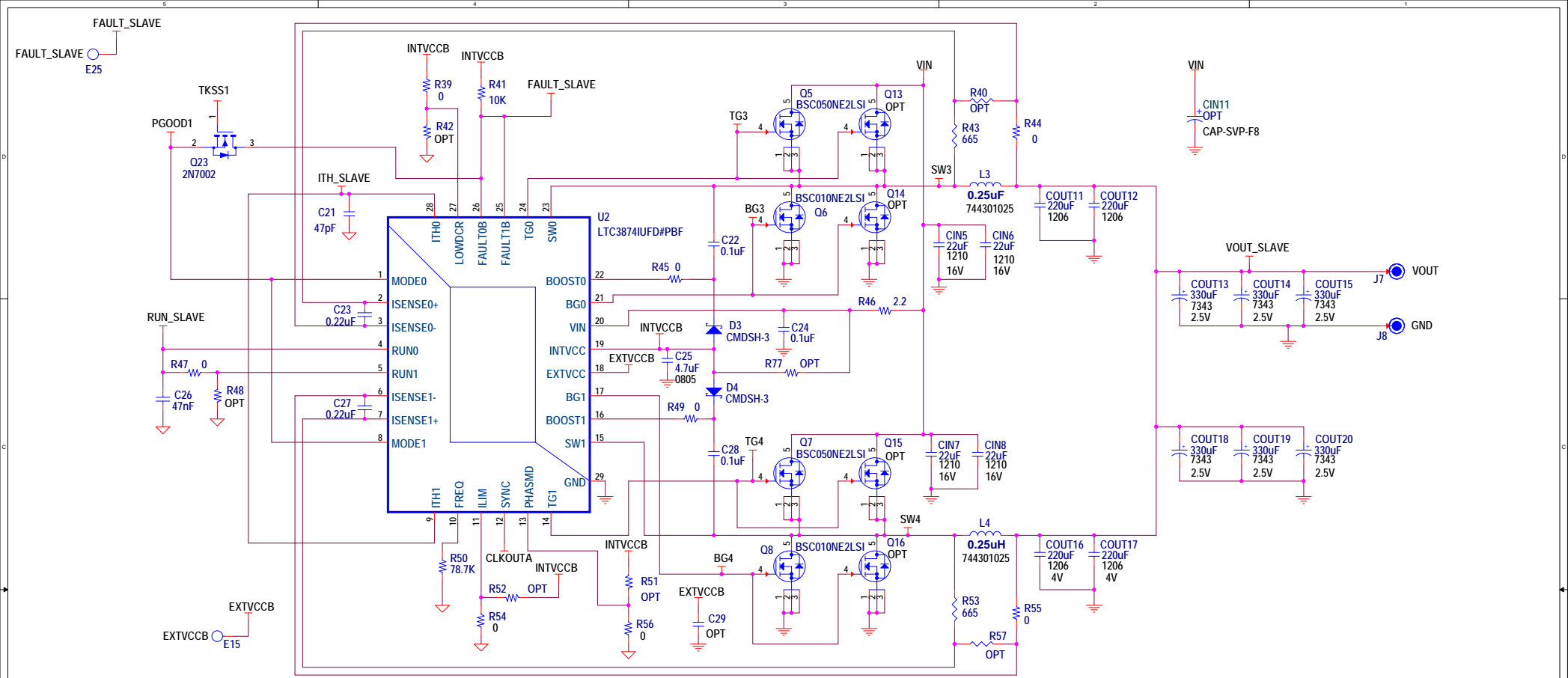
- NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS ARE 0603.
 2. ALL CAPACITORS ARE 0603.
 3. INSTALL SHUNTS ON JUMPERS AS SHOWN.

CUSTOMER NOTICE

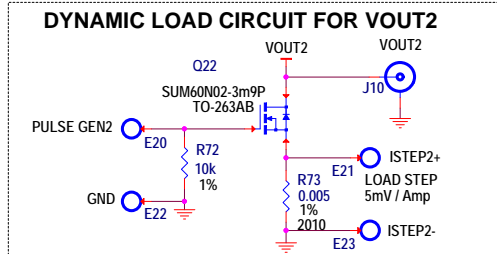
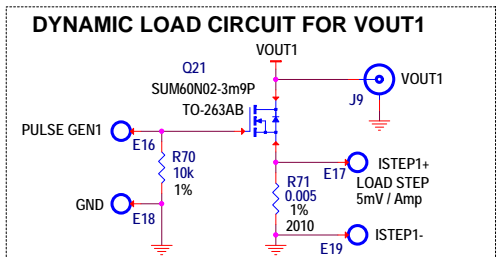
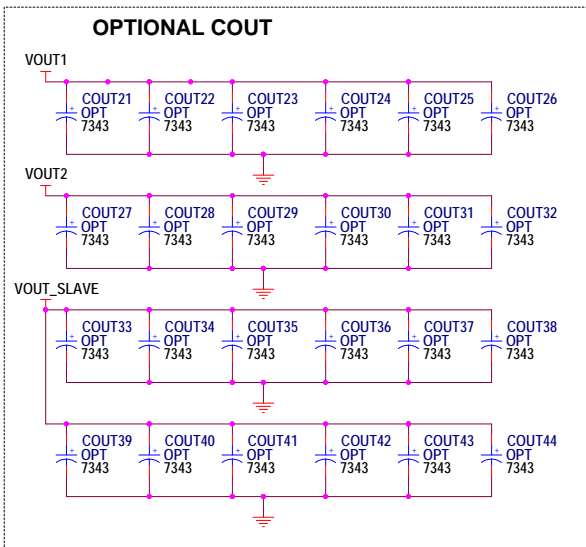
LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT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

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

APPROVALS			1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
PCB DES.	HZ		TITLE: SCHEMATIC HIGH CURRENT STEP-DOWN CONVERTER WITH VID PROGRAMMING AND LOW DCR INDUCTORS	
APP ENG.	M. SHRIVER	SIZE	IC NO.	REV.
		N/A	LTC3877EUK	2
		SCALE = NONE	DATE: MARCH 11, 2014	SHEET 1 OF 3

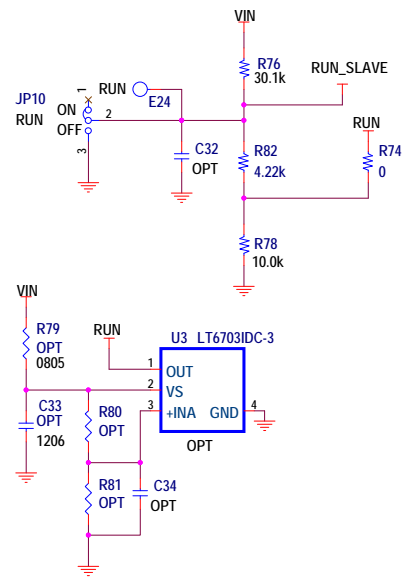
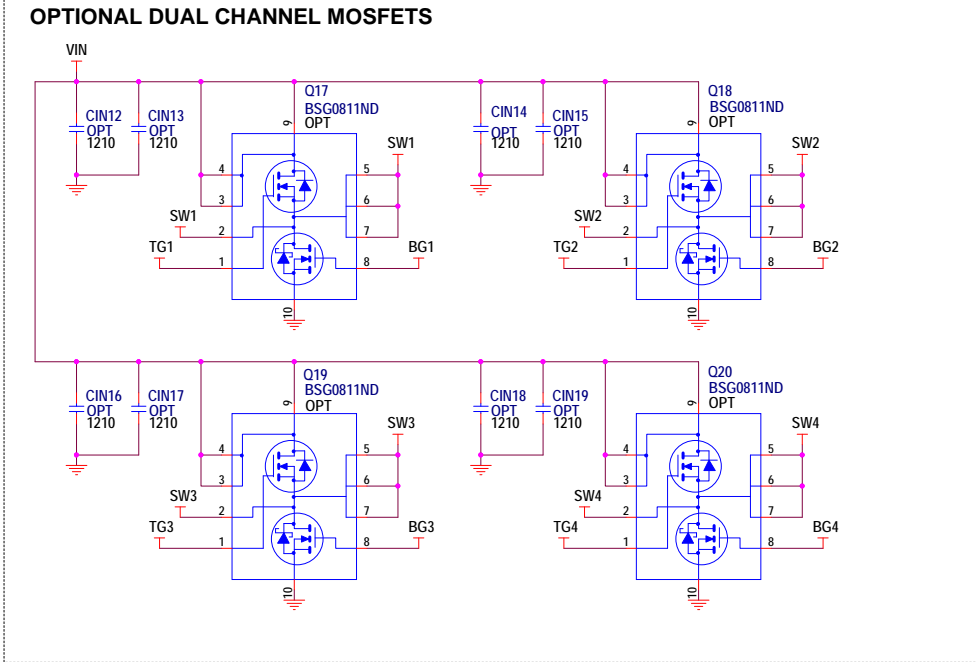


CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY	
<p>LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.</p>		<p>1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only</p>		<p>TITLE: SCHEMATIC HIGH CURRENT STEP-DOWN CONVERTER WITH VID PROGRAMMING AND LOW DCR INDUCTORS</p>	
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>PCB DES: HZ APP ENG: M. SHRIVER</p>		<p>SIZE: N/A IC NO.: LTC3877EUK DC2229A-B</p>	
<p>SCALE = NONE</p>		<p>DATE: MARCH 11, 2014</p>		<p>REV. 2 SHEET 2 OF 3</p>	



Notes to PCB designer:

- L1- 4: Wurth 744301025 (250nH, DCR=0.32mOhms +/- 7%, Isat = 65A typical, footprint = 11.3mm X 11mm, H = 8.9mm)
- COUT1,2,6,7,11,12,16,17: Murata GRM31CR60G227M (220uF, 4V, X5R, 1206)
- COUT3-5,8-10,13-15,18-20: Panasonic EEFSX0E331ER (330uF, 9mOhms, 2.5V, 7343)
- CIN1-8: Murata GRM32ER61C226KE20L (22uF, 16V, X5R, 1210)
- CIN9,10: Sanyo 16SVP180MX (180uF, 16V, 30mOhm, 3.0 A RMS)
- Use Tepro RN5326 for 0 Ohm, 1225 resistor



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		APP ENG.	M. SHRIVER	SIZE	IC NO.	LTC3877EUK	REV. 2
		SCALE = NONE		N/A		DC2229A-B	
<small>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</small>				DATE: MARCH 11, 2014			SHEET 3 OF 3