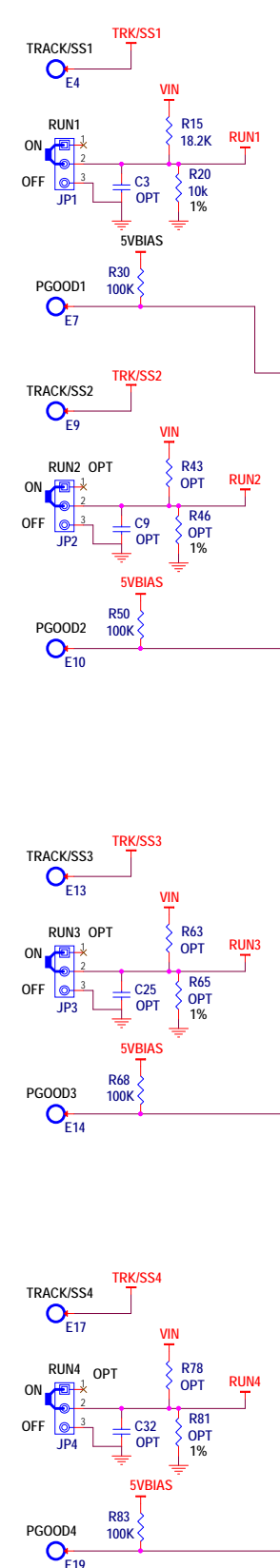
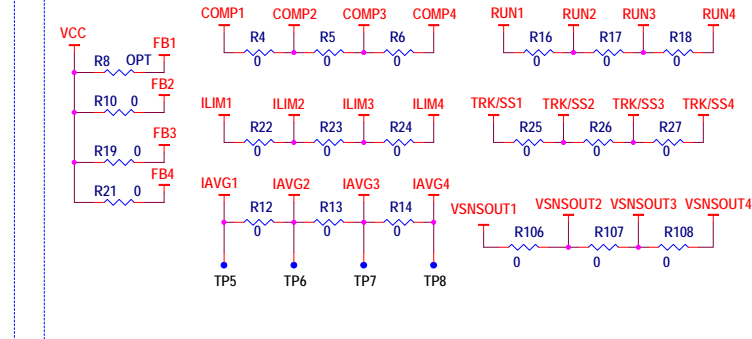


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	2	PRODUCTION	Mike S.	10-21-15

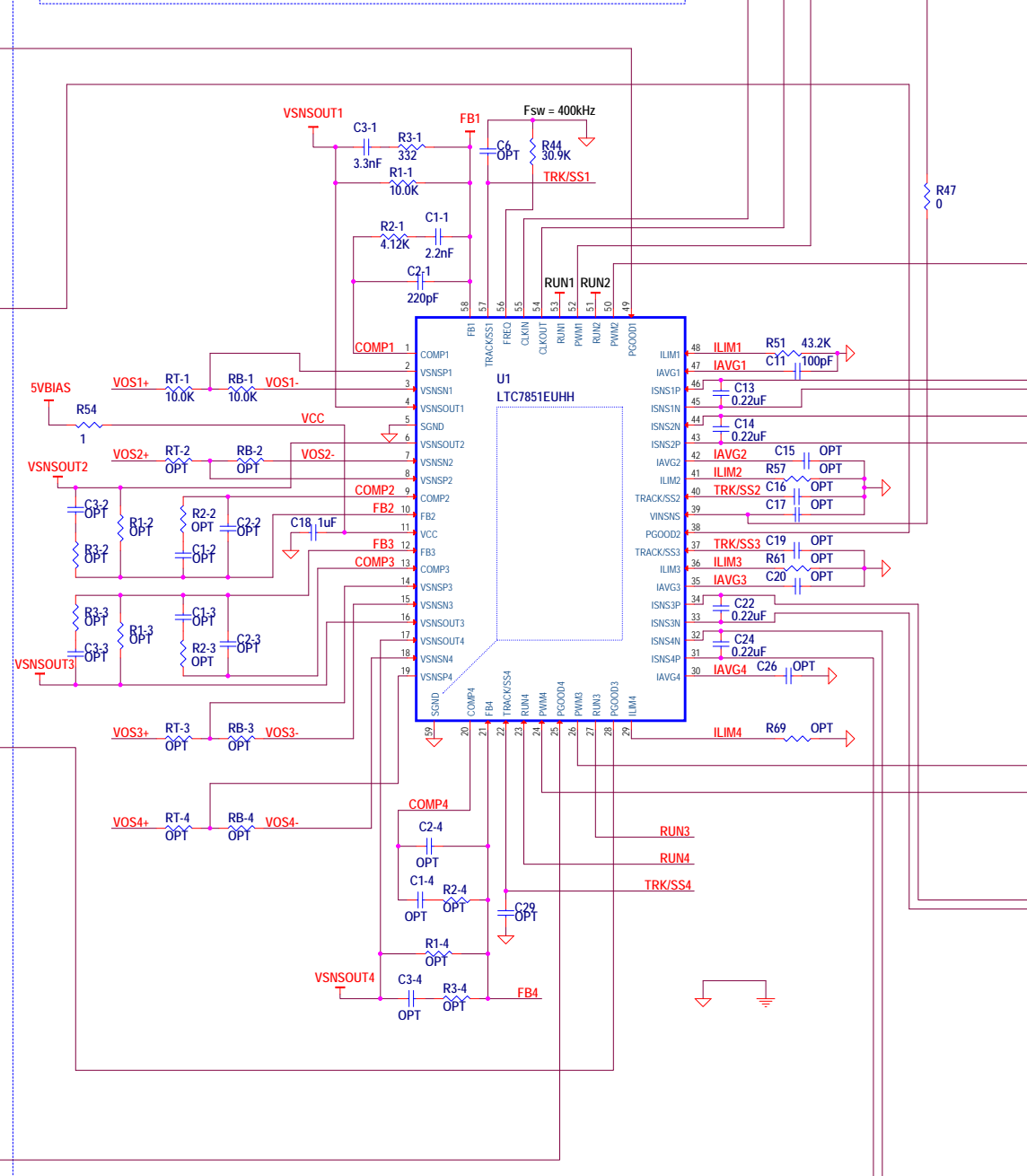
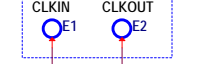
Place these components on edge of board



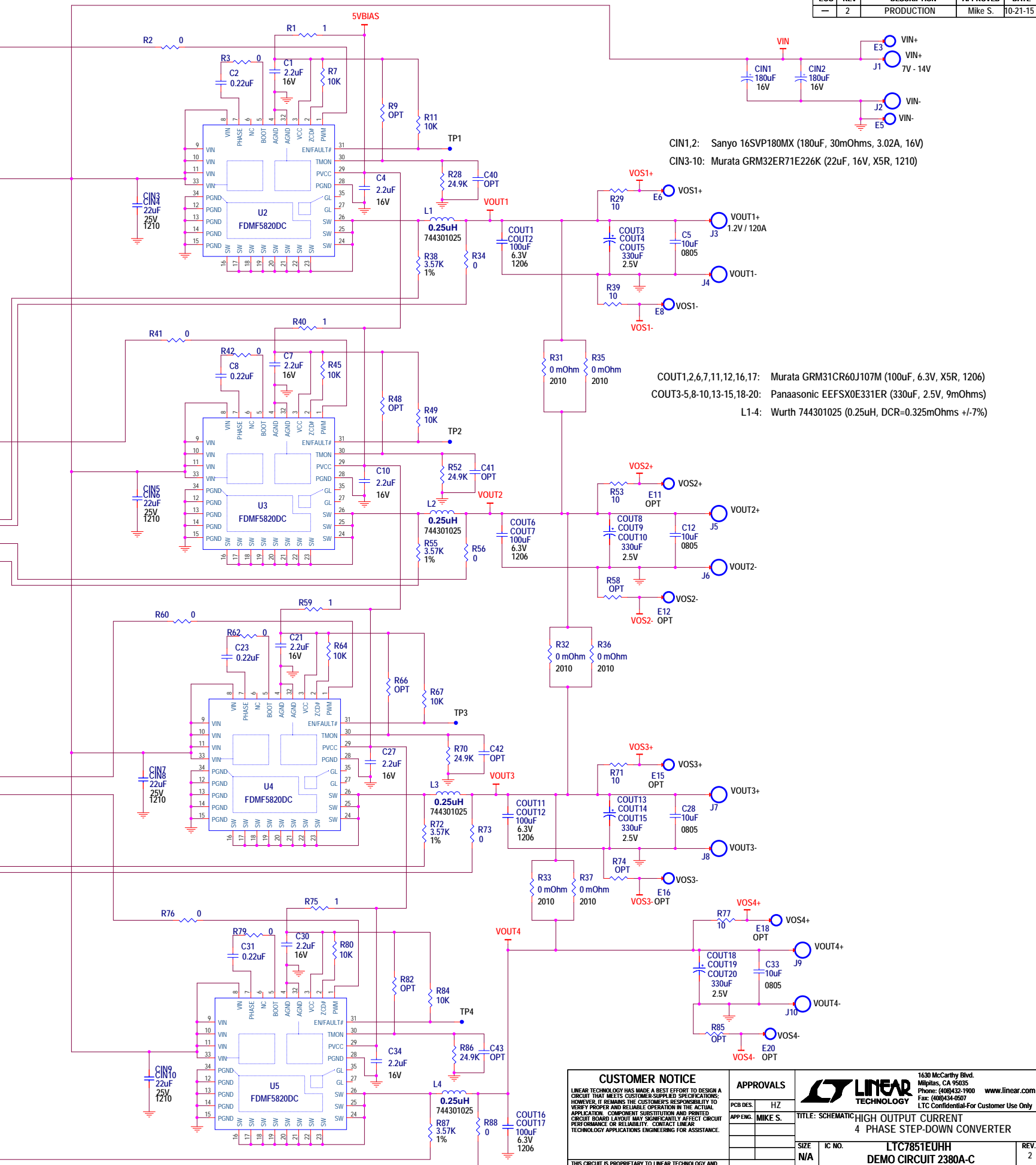
Components to parallel two or more phases



Place on edge of board



	VOUT1	VOUT2	VOUT3	VOUT4
-A	1.8V/30A	1.5V/30A	1.2V/30A	1.0V/30A
-B	1.8V/60A		1.2V/60A	
-C	1.2V/120A			

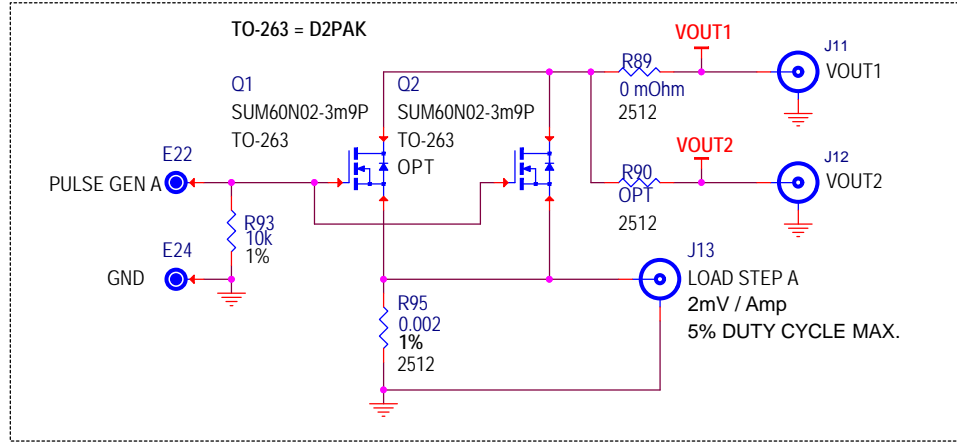


CIN1,2: Sanyo 16SVP180MX (180uF, 30mOhms, 3.02A, 16V)
 CIN3-10: Murata GRM32ER71E226K (22uF, 16V, X5R, 1210)

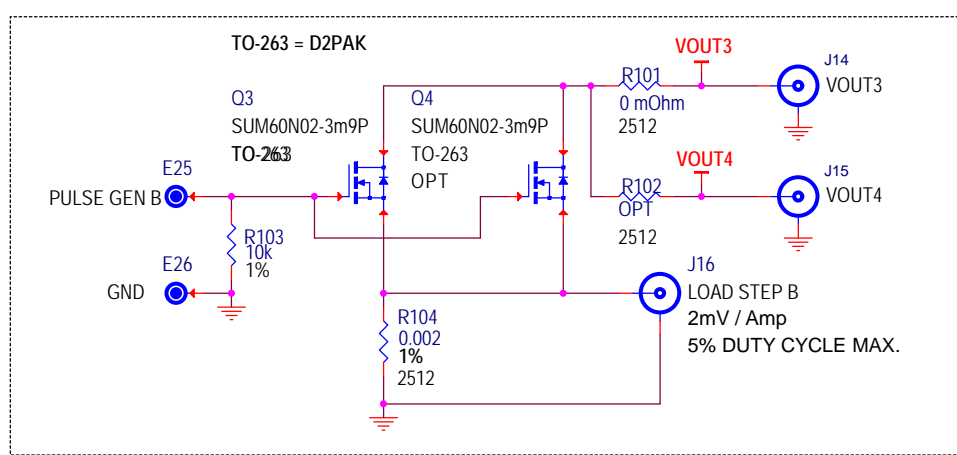
COUT1,2,6,7,11,12,16,17: Murata GRM31CR60J107M (100uF, 6.3V, X5R, 1206)
 COUT3-5,8-10,13-15,18-20: Panasonic EEFSX0E331ER (330uF, 2.5V, 9mOhms)
 L1-4: Würth 744301025 (0.25uH, DCR=0.325mOhms +/-7%)

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 OCCASIONALLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.		APPROVALS PCB DES: HZ APP ENG: MIKE S.	
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		TITLE: SCHEMATIC HIGH OUTPUT CURRENT 4 PHASE STEP-DOWN CONVERTER	
SIZE: N/A	IC NO: LTC7851EUHH	REV: 2	
SCALE: NONE	DATE: Tuesday, February 09, 2016	SHEET 1 OF 2	

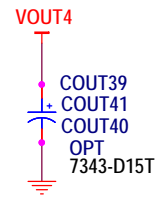
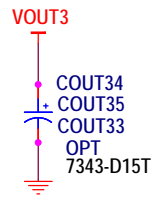
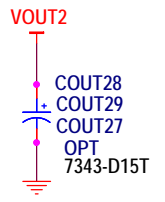
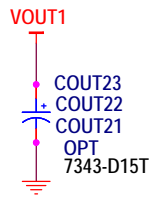
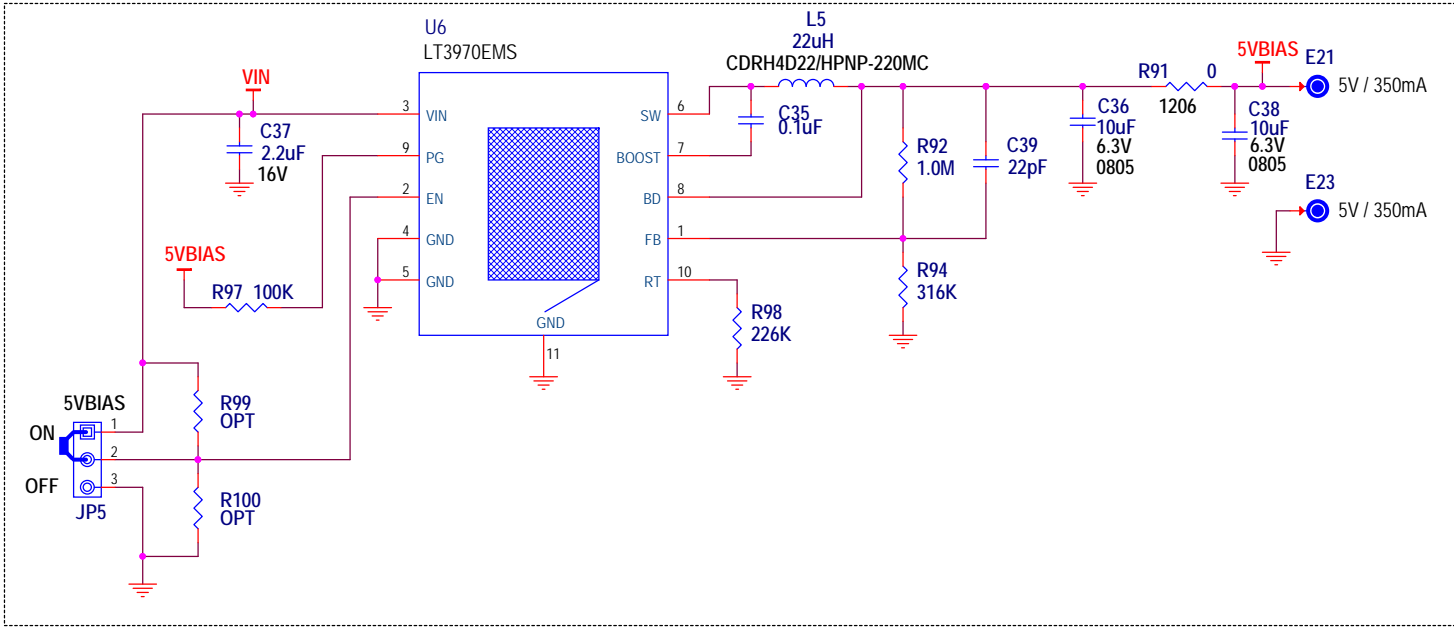
DYNAMIC LOAD CIRCUIT FOR VOUT1 AND VOUT2



DYNAMIC LOAD CIRCUIT FOR VOUT3 AND VOUT4



BIAS SUPPLY FOR DrMOS and LTC7851



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.	HZ
APP ENG.	MIKE S.

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 LTC Confidential-For Customer Use Only

TITLE: SCHEMATIC HIGH OUTPUT CURRENT 4 PHASE STEP-DOWN CONVERTER

SIZE N/A IC NO. LTC7851EUHH REV. 2

DATE: Tuesday, January 19, 2016 SHEET 2 OF 2

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

SCALE = NONE