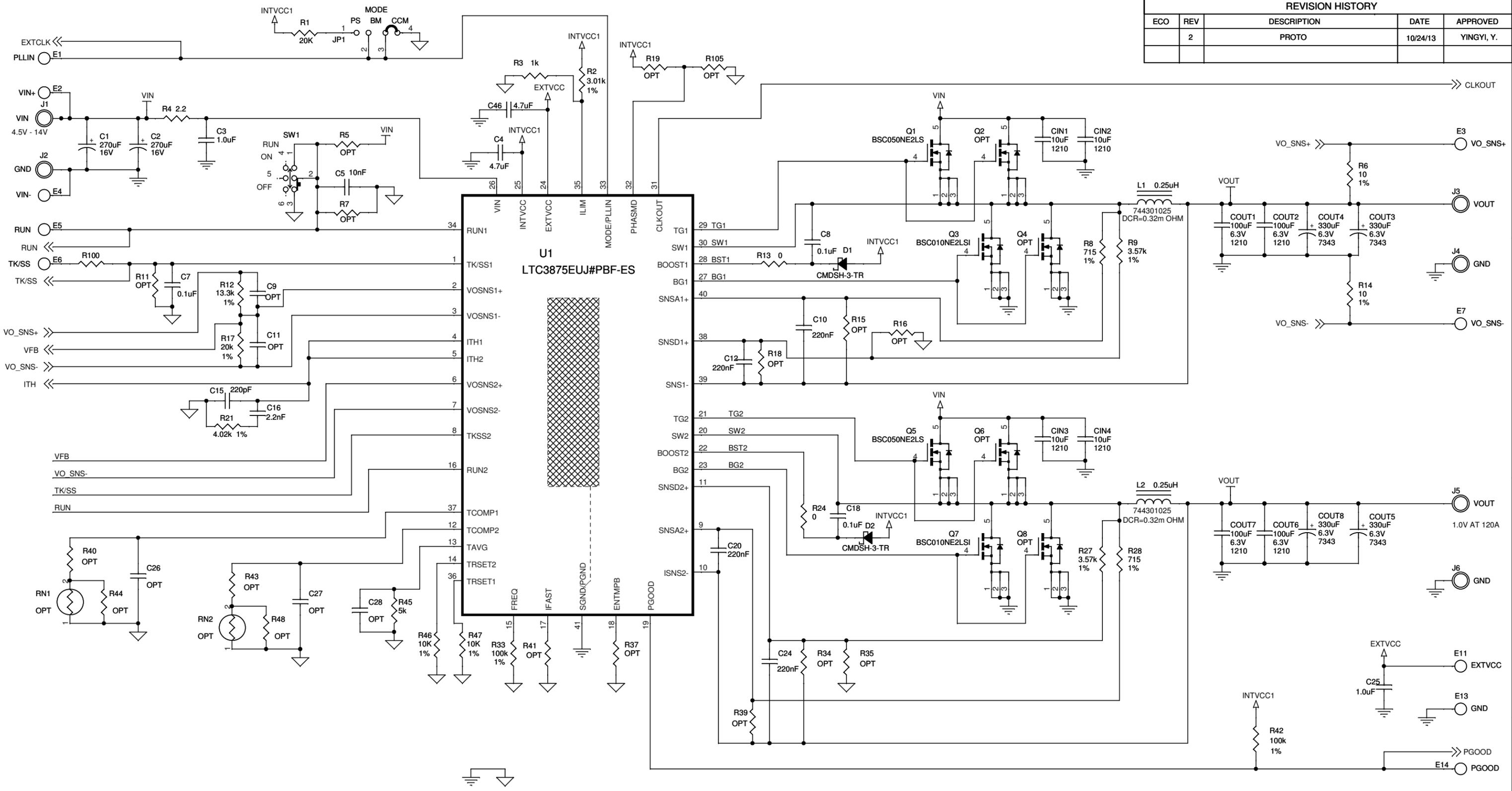


REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
	2	PROTO	10/24/13	YINGYI, Y.



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.

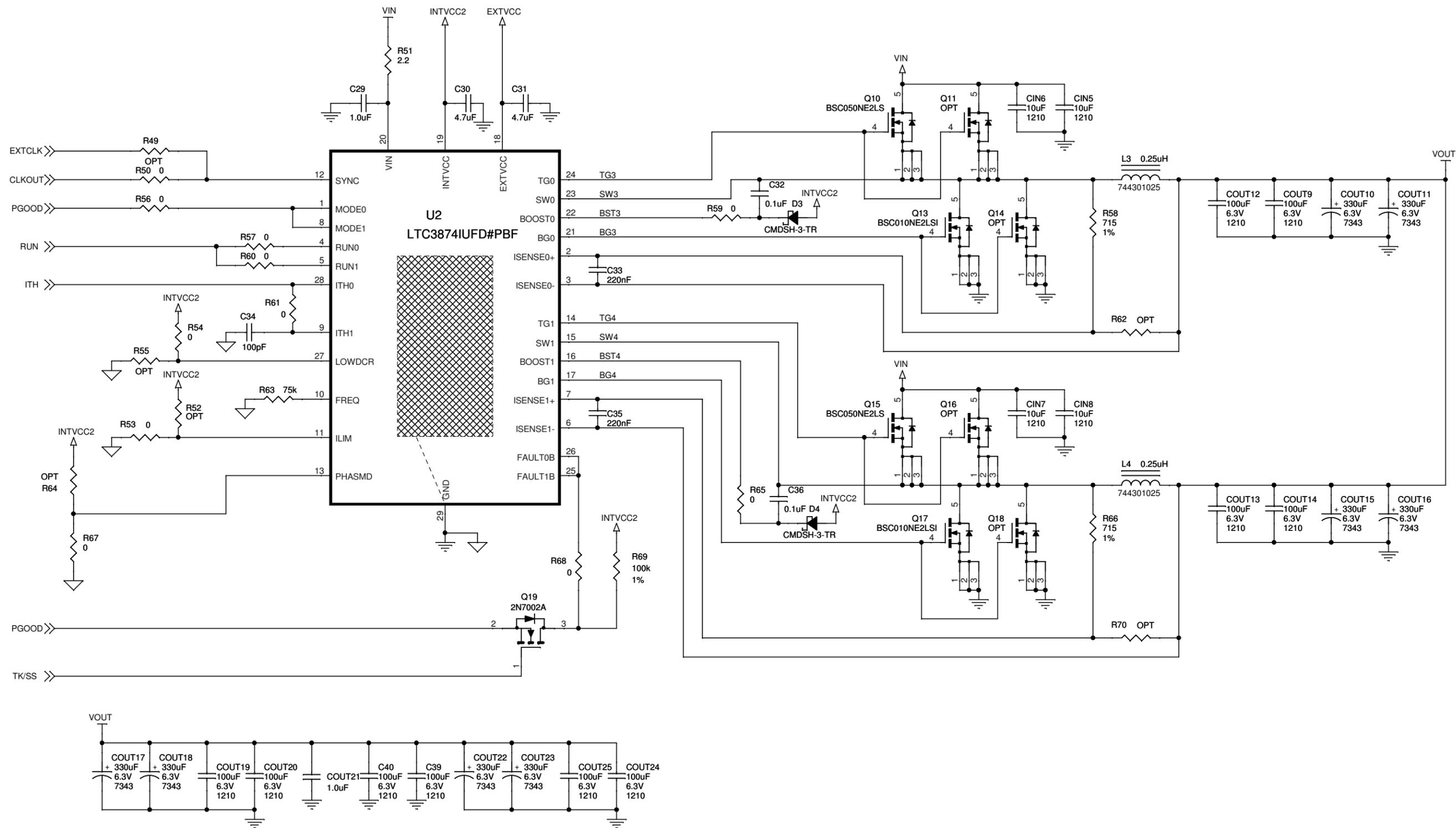
APPROVALS	
PCB DES.	MI
APP ENG.	YINGYI, Y.
SCALE = NONE	

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

TITLE: SCHEMATIC
 HIGH EFFICIENCY POLYPHASE, SYNCHRONOUS
 BUCK CONVERTER WITH VERY LOW DCR INDUCTOR

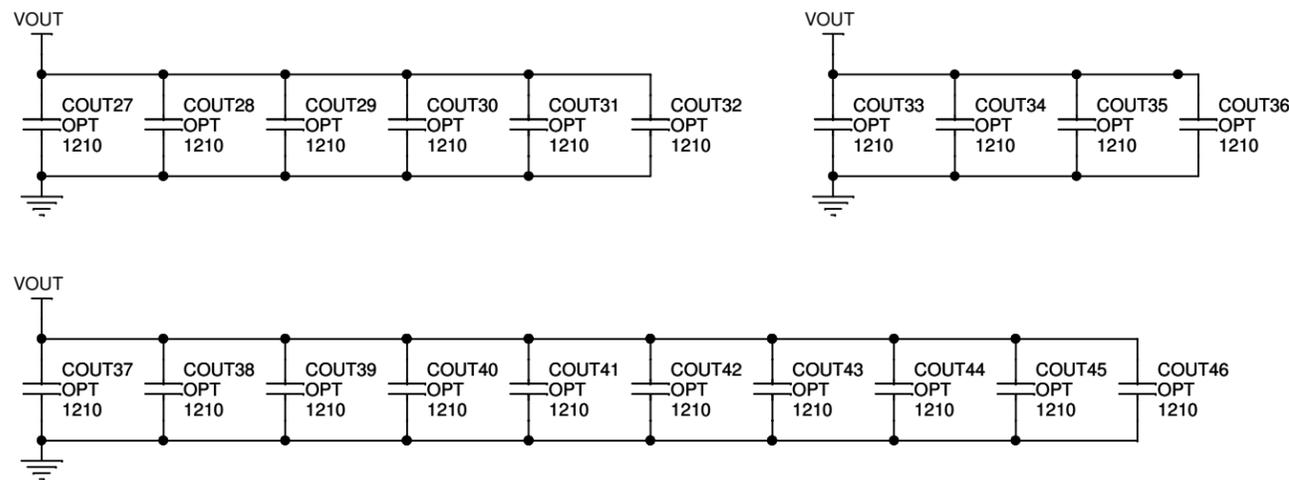
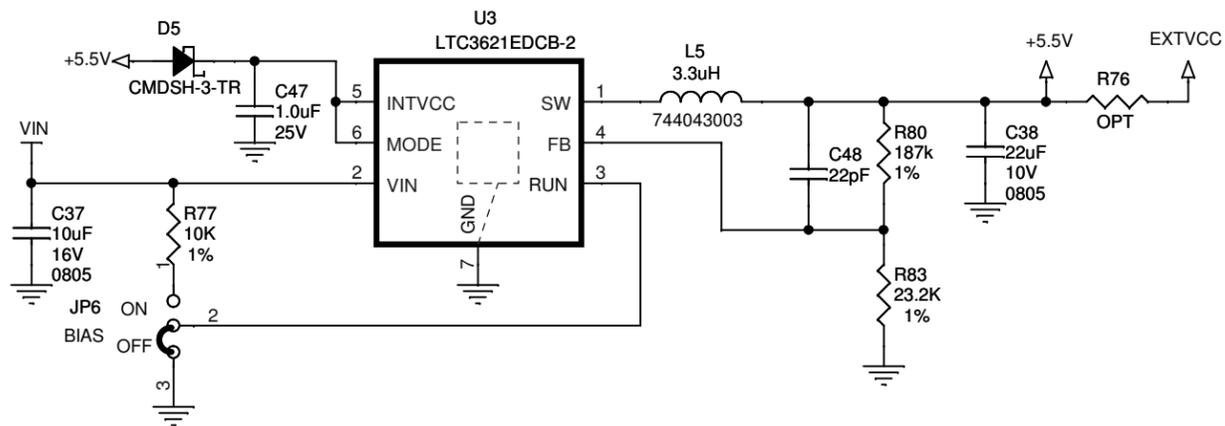
SIZE	IC NO. LTC3875EUJ / LTC3874EUFD	REV.
N/A	DEMO CIRCUIT 2142A	2

DATE: 02/26/14 08:23:25 SHEET 1 OF 3

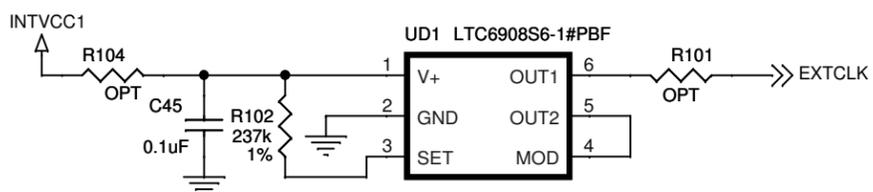
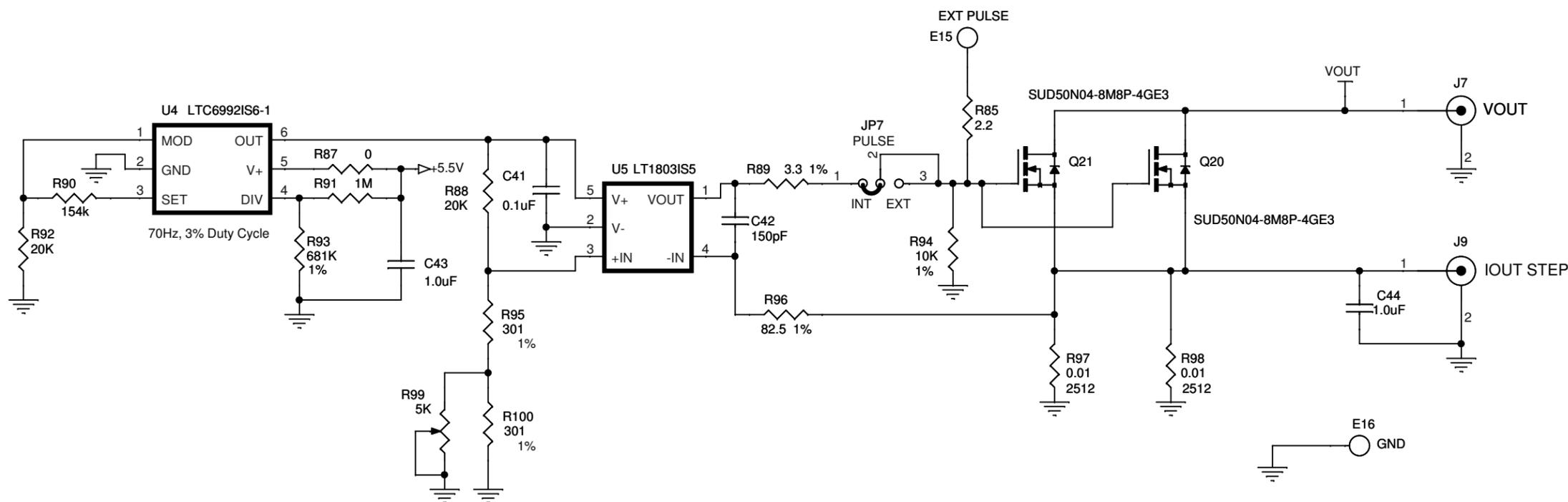


CUSTOMER NOTICE		APPROVALS		 LINEAR TECHNOLOGY	1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
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		APP ENG.	YINGTI Y.			
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE		SIZE	IC NO. LTC3875EUJ / LTC3874EUFD	REV. 2
				N/A	DEMO CIRCUIT 2142A	
				DATE:	03/05/14 13:03:42	SHEET 2 OF 3

OPTIONAL 5.5V BIAS



DYNAMIC LOAD CIRCUIT



CUSTOMER NOTICE

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

APPROVALS

PCB DES.	MI
APP ENG.	YINGTI Y.

SCALE = NONE



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TITLE: SCHEMATIC
HIGH EFFICIENCY POLYPHASE, SYNCHRONOUS
BUCK CONVERTER WITH VERY LOW DCR INDUCTOR

SIZE N/A	IC NO. LTC3875EUJ / LTC3874EUFD DEMO CIRCUIT 2142A	REV. 2
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DATE: 03/05/14 13:05:40

SHEET 3 OF 3