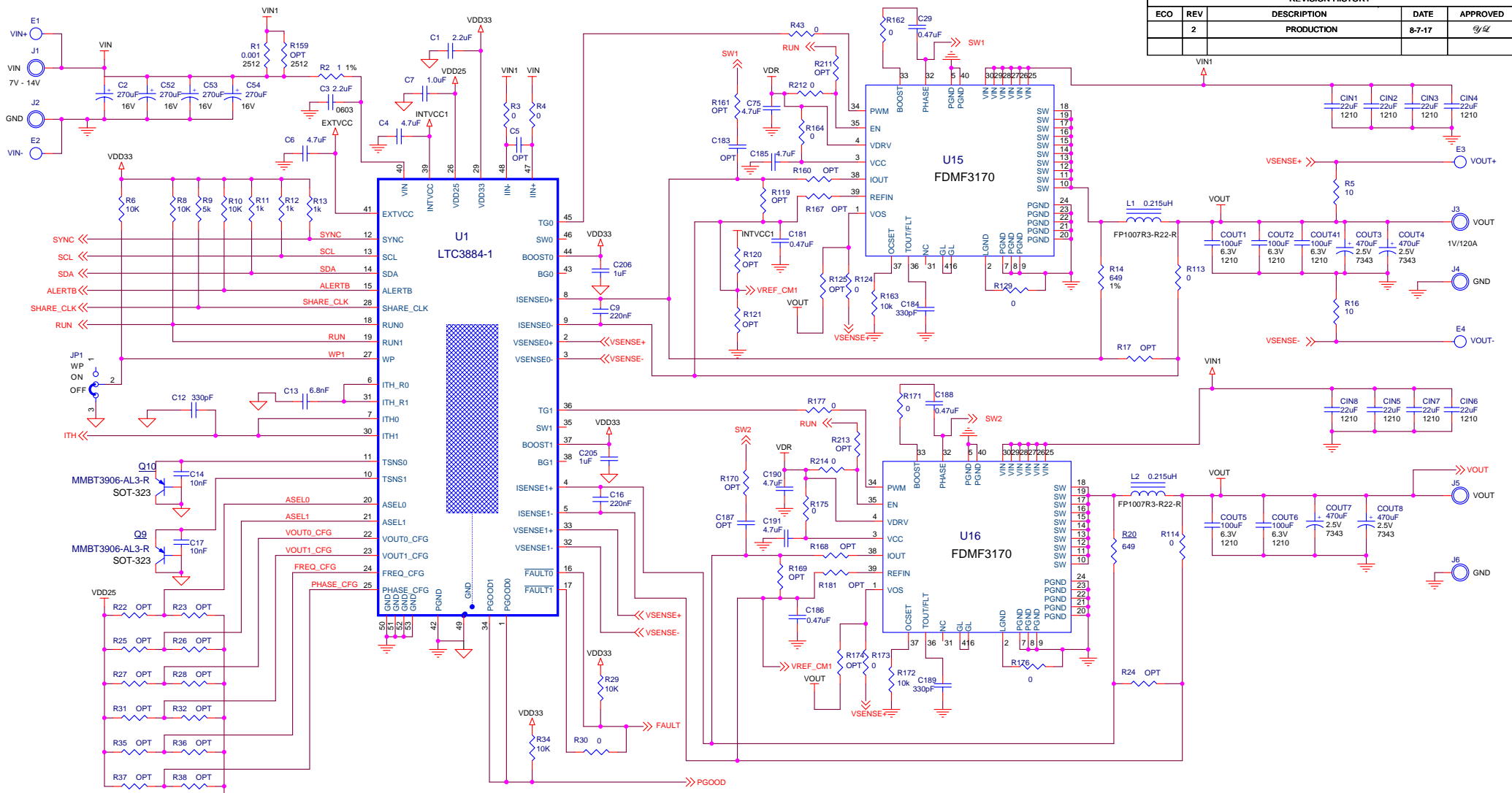


REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
	2	PRODUCTION	8-7-17	<i>g/l</i>



NOTE:
1. FDMF3170, FDMF3180, TDA21470 AND IR35412 ARE PIN COMPATIBLE

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.	<i>g/l</i>
SCALE	NONE

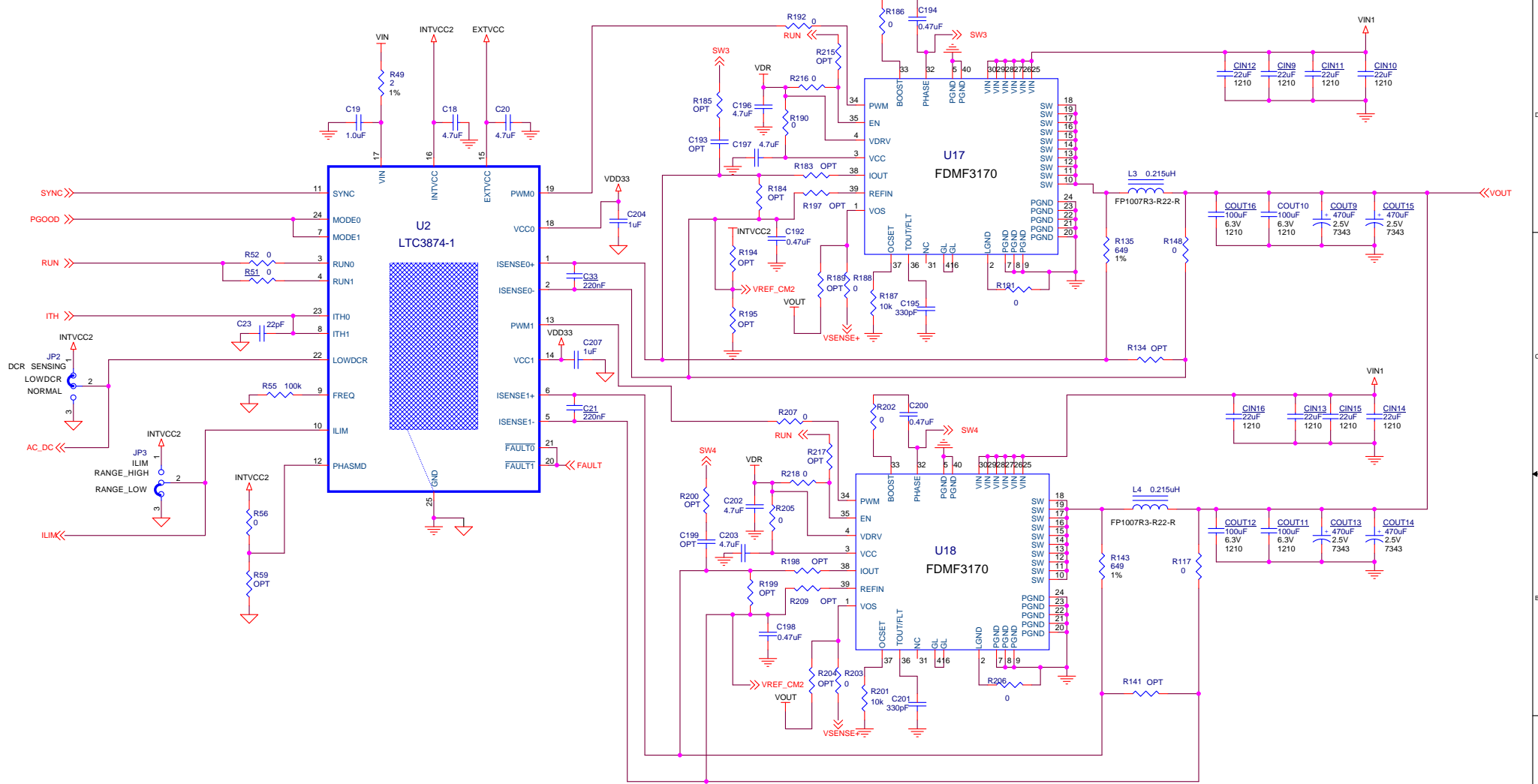
LINEAR TECHNOLOGY
 1630 McCarthy Blvd.
 Milpitas, CA 95035
 Phone: (408)432-1900 www.linear.com
 Fax: (408)434-0807
 LTC Confidential-For Customer Use Only

TITLE: SCHEMATIC
 HIGH EFFICIENCY, POLY-PHASE SYNCHRONOUS BUCK CONVERTER WITH POWER SYSTEM MANAGEMENT

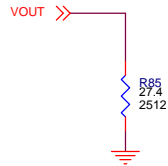
IC NO. LTC3884-1, LTC3874-1
DEMO CIRCUIT 2605A

DATE: Wednesday, October 18, 2017

REV. 2
 SHEET 1 OF 4

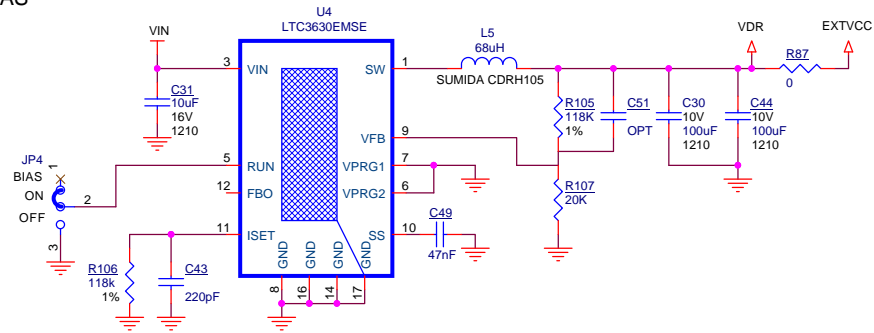


CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY	
<p>LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.</p>		PCB DES.	HZ	<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>	
		APP ENG.	<i>yz</i>	<p>TITLE: SCHEMATIC HIGH EFFICIENCY, POLY-PHASE SYNCHRONOUS BUCK CONVERTER WITH POWER SYSTEM MANAGEMENT</p>	
		SCALE	NONE	SIZE	N/A
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		IC NO.	LTC3884-1, LTC3874-1	REV.	2
		DATE:	Wednesday, October 18, 2017	SHEET 2 OF 4	

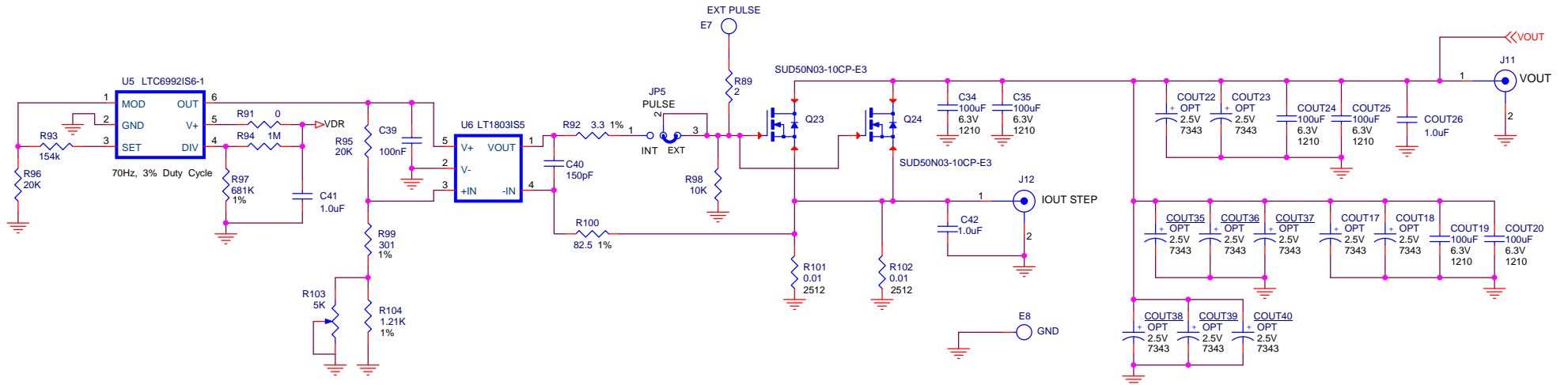



BLEEDER LOADS

5.5V BIAS

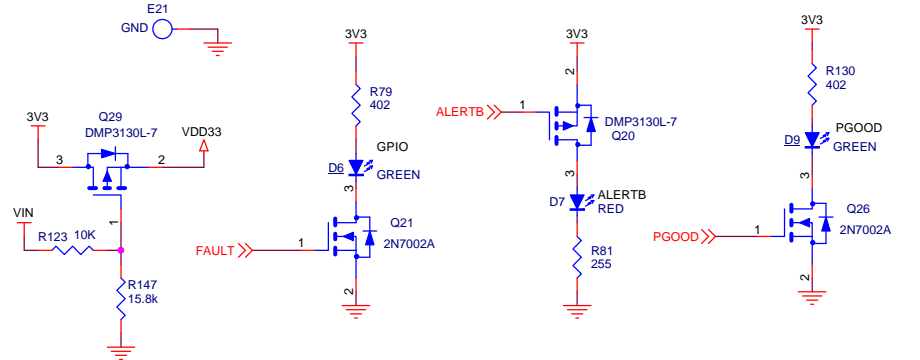
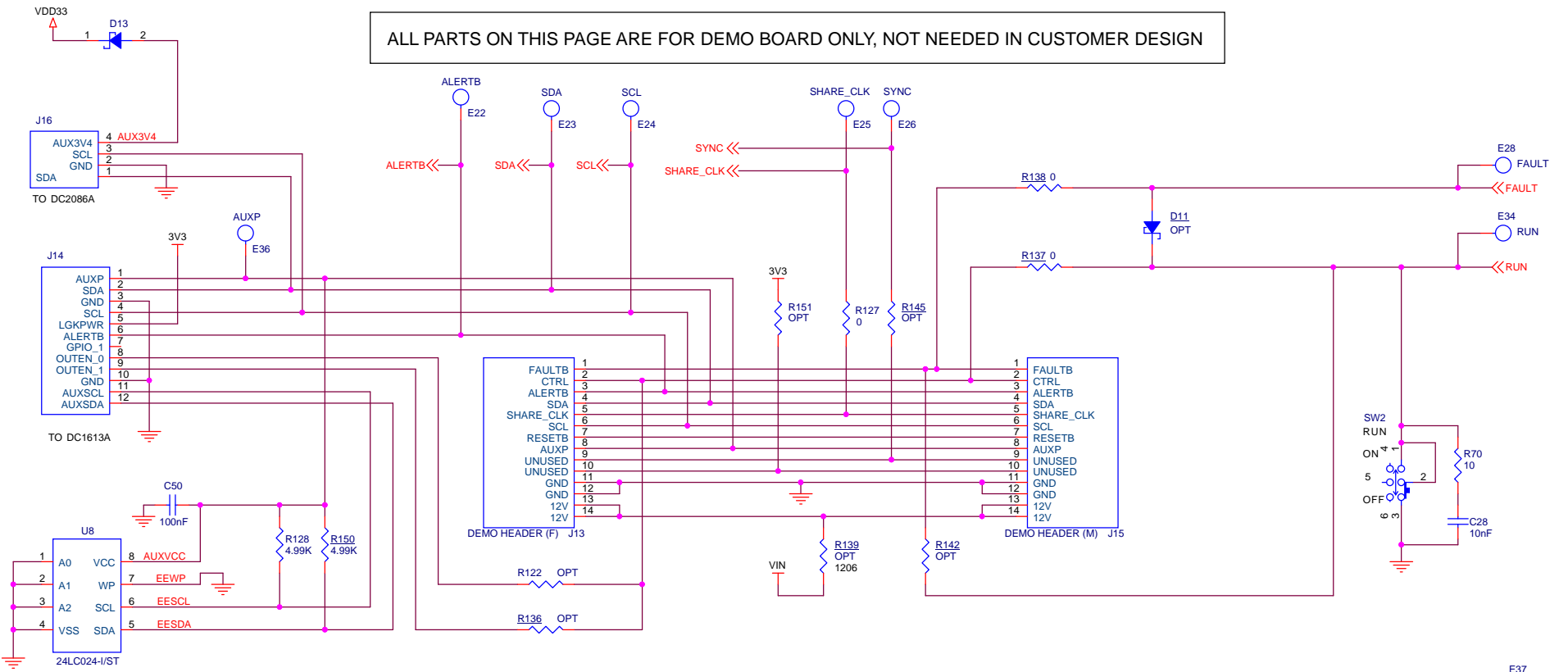


DYNAMIC LOAD CIRCUIT



CUSTOMER NOTICE		APPROVALS	 1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
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.		APP ENG.	<i>QZ</i>	
		TITLE: SCHEMATIC HIGH EFFICIENCY, POLY-PHASE SYNCHRONOUS BUCK CONVERTER WITH POWER SYSTEM MANAGEMENT		
SIZE N/A		IC NO. LTC3884-1, LTC3874-1 DEMO CIRCUIT 2605A		
DATE: Thursday, August 17, 2017		REV. 2		
SCALE = NONE		SHEET 3 OF 4		

ALL PARTS ON THIS PAGE ARE FOR DEMO BOARD ONLY, NOT NEEDED IN CUSTOMER DESIGN



CUSTOMER NOTICE		APPROVALS			1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
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.		PCB DES.	HZ		TITLE: SCHEMATIC HIGH EFFICIENCY, POLY-PHASE SYNCHRONOUS BUCK CONVERTER WITH POWER SYSTEM MANAGEMENT	SIZE N/A
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		APP ENG.	<i>[Signature]</i>	SCALE = NONE	DATE: Thursday, August 17, 2017	REV. 2
						SHEET 4 OF 4