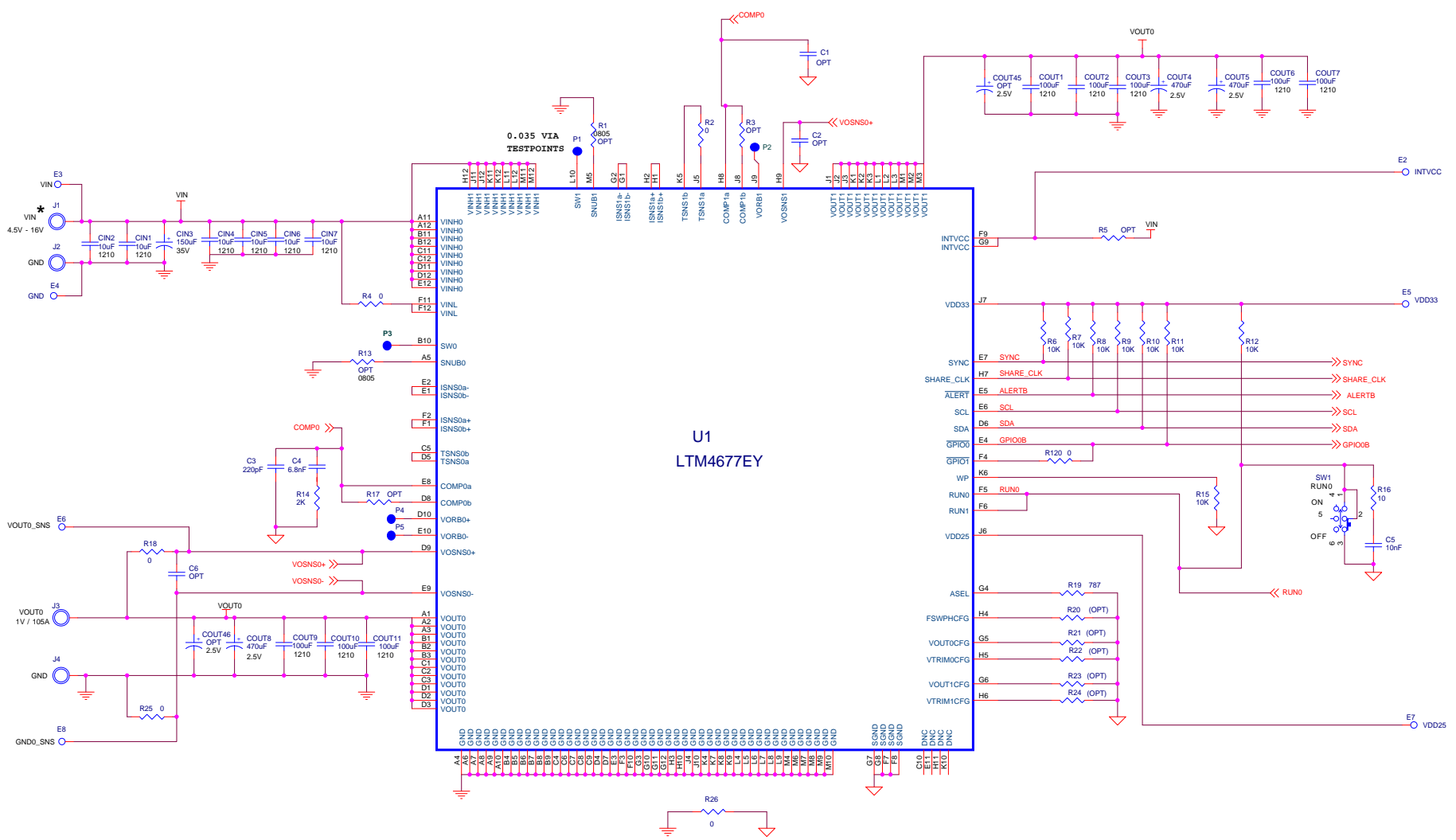


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	2	PRODUCTION	Simon T	11-25-15

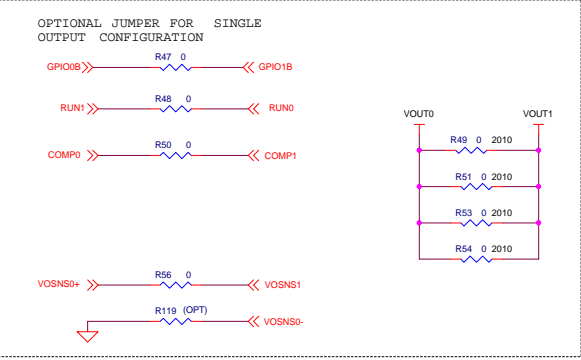
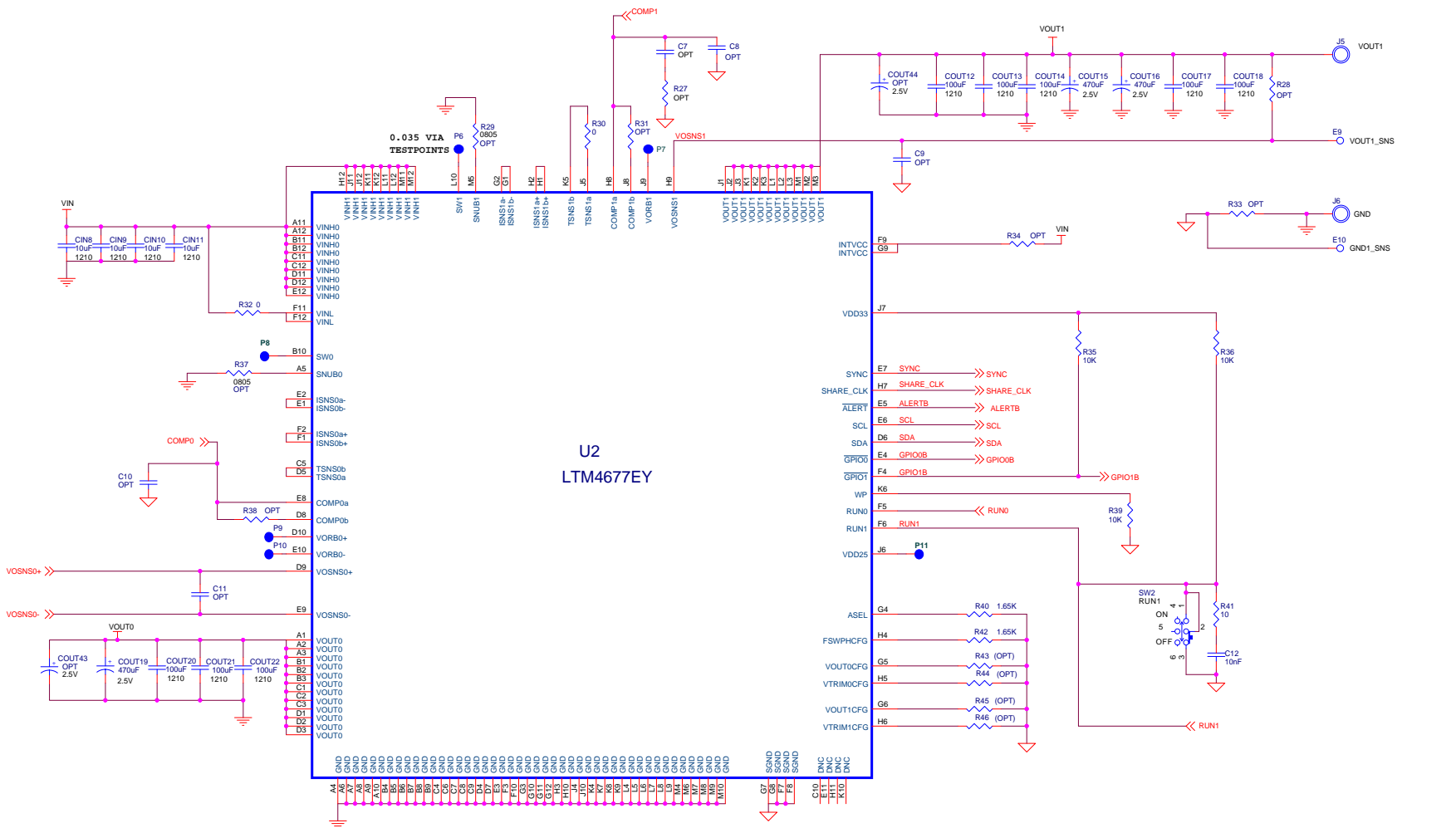


NOTE: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE 0603.
ALL CAPACITORS ARE 0603.

* WHEN VIN < 5.75V, SHORT INTVCC TO VIN WITH R5,R34, R61.

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 EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN µModule REGULATOR WITH DIGITAL POWER MANAGEMENT</p>	
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>PCB DES: HZ APP ENG: JAN L</p>		<p>IC NO. LTM4677EY REV. 1</p>	
<p>SCALE = NONE</p>		<p>DATE: Wednesday, December 16, 2015</p>		<p>DEMO CIRCUIT 2143A-A SHEET 1 OF 6</p>	

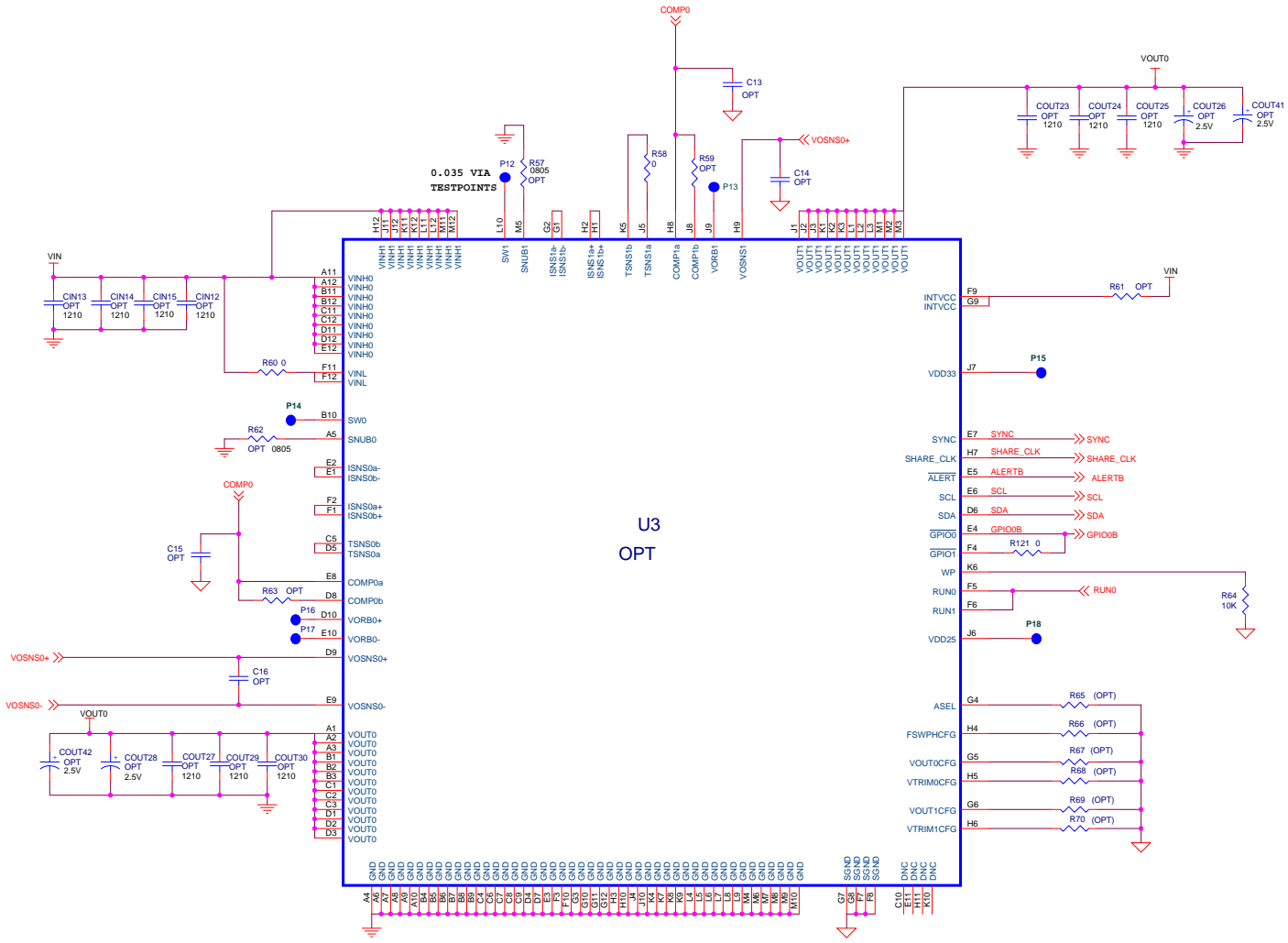


CUSTOMER NOTICE
 LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY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

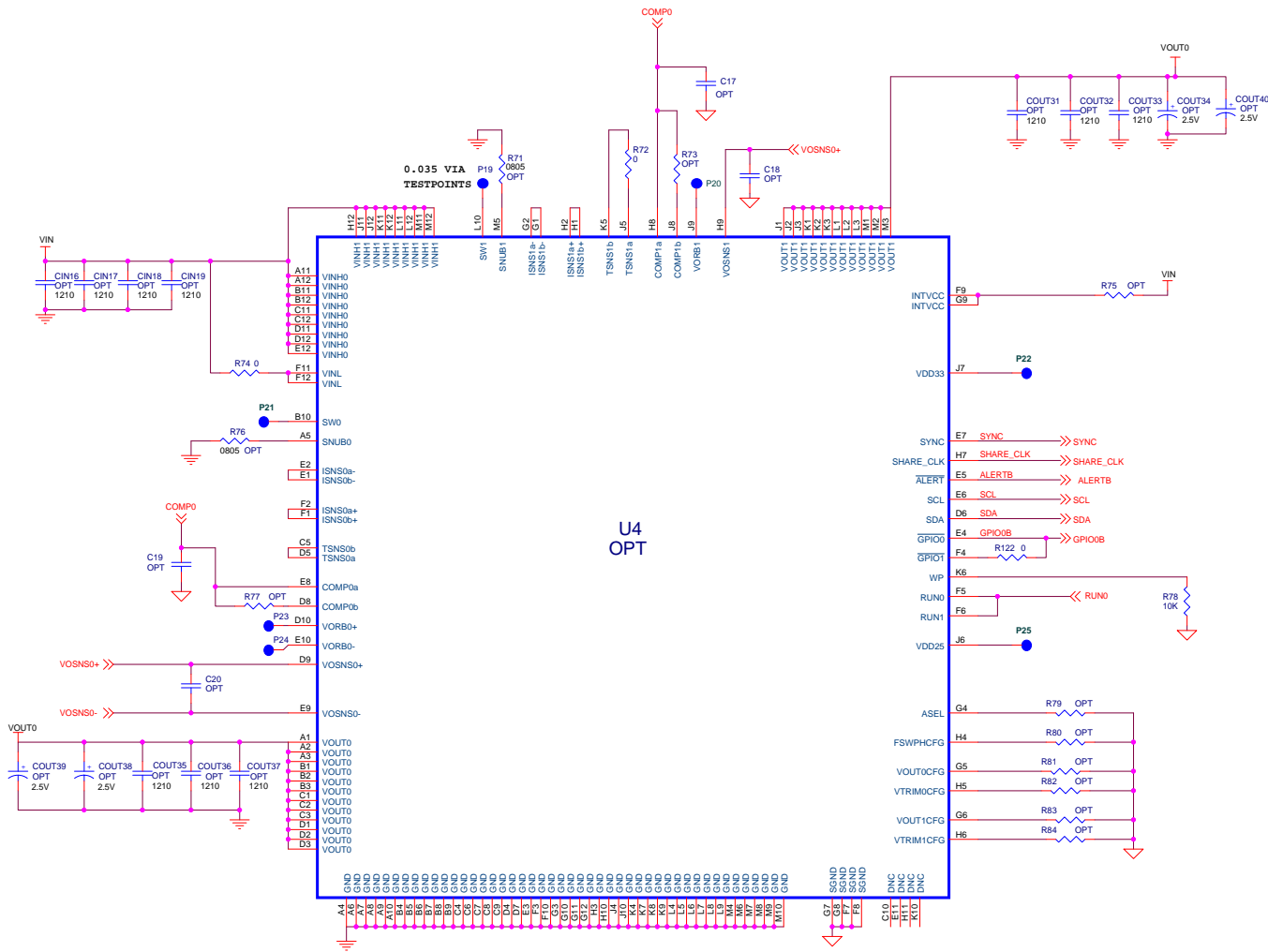
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

APPROVALS	
PCB DES:	HZ
APP ENG:	JIAN L.
SCALE:	NONE

		1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0607 LTC Confidential-For Customer Use Only	
		TITLE: SCHEMATIC HIGH EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN µModule REGULATOR WITH DIGITAL POWER MANAGEMENT	
SIZE	IC NO.	REV.	
B	LTM4677EY	1	
DEMO CIRCUIT 2143A-A			
DATE:	Wednesday, November 25, 2015	SHEET 2 OF 6	

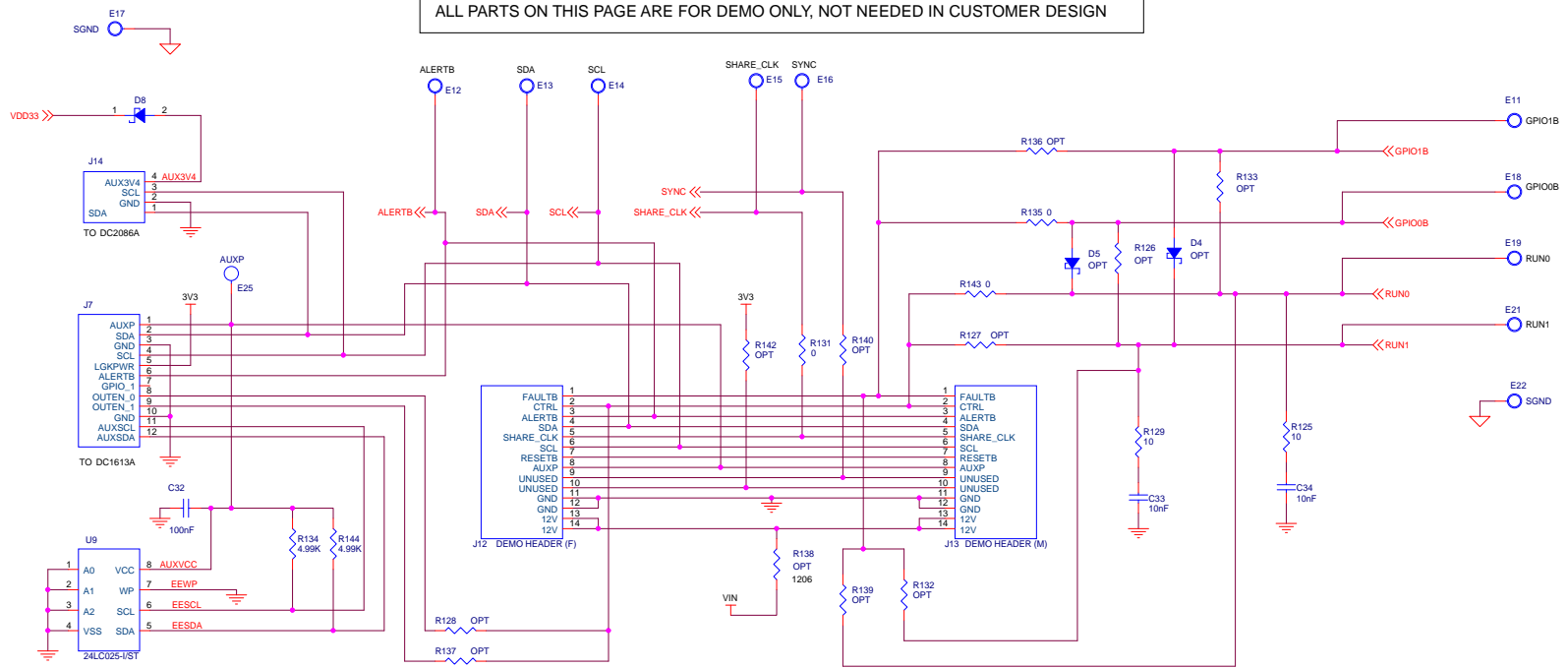


<p>CUSTOMER NOTICE</p> <p>LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.</p>		<p>APPROVALS</p> <p>PCB DES: HZ</p> <p>APP ENG: JAN L</p>		<p>LINEAR TECHNOLOGY</p> <p>1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0607 LTC Confidential-For Customer Use Only</p>
		<p>SCALE = NONE</p>		
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>SIZE: B</p>	<p>IC NO. LTM4677EY</p> <p>DEMO CIRCUIT 2143A-A</p>	<p>REV. 1</p>
		<p>DATE: Wednesday, November 25, 2015</p>	<p>SHEET 3 OF 6</p>	

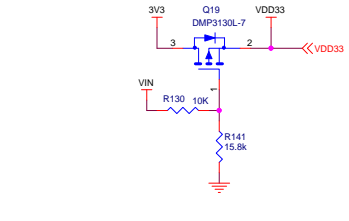


CUSTOMER NOTICE LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.		APPROVALS PCB DES. HZ APP ENG. JAN L.		1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 Fax: (408)434-0607 LTC Confidential-For Customer Use Only
		TITLE: SCHEMATIC HIGH EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN μModule REGULATOR WITH DIGITAL POWER MANAGEMENT		
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE	DATE: Friday, August 28, 2015	SHEET 4 OF 6

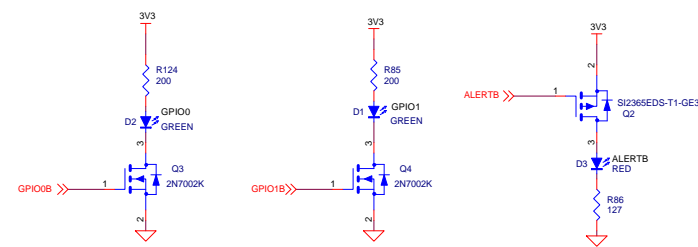
ALL PARTS ON THIS PAGE ARE FOR DEMO ONLY, NOT NEEDED IN CUSTOMER DESIGN



OPTIONAL CIRCUIT FOR PROGRAMMING WITHOUT VIN

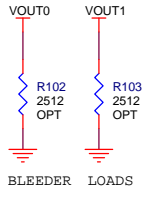
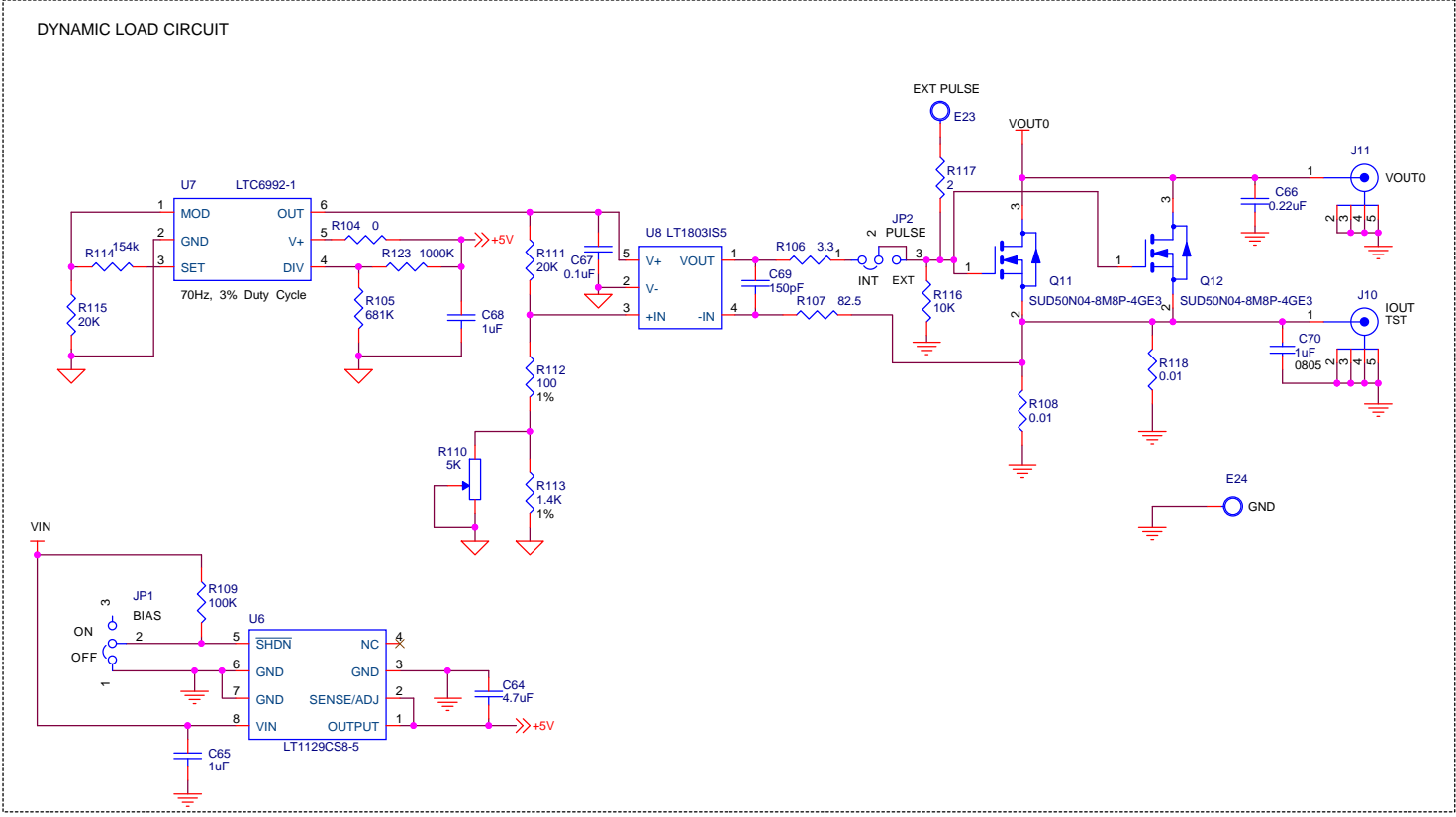


PSM STACKING CONNECTORS:
 J1, MALE, CONN HEADER 14POS 2MM R/A GOLD, Molex Connector Corp. 87760-1416
 J2, FEMALE, CONN RECEPT 2MM DUAL R/A 14POS, Sullins Conn. NPPN072FJFN-RC



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		<p>SCALE = NONE</p>		
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>DATE: Friday, August 28, 2015</p>	<p>SIZE B</p> <p>IC NO. LTM4677EY</p> <p>DEMO CIRCUIT 2143A-A</p>	<p>REV. 1</p> <p>SHEET 5 OF 6</p>

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



<p>CUSTOMER NOTICE</p> <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>APPROVALS</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>	
		PCB DES.	HZ		
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>SCALE = NONE</p>		<p>TITLE: SCHEMATIC HIGH EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN μModule REGULATOR WITH DIGITAL POWER MANAGEMENT</p>	
		SIZE	B	IC NO.	LTM4677EY DEMO CIRCUIT 2143A-A
		DATE: Wednesday, November 25, 2015		SHEET 6 OF 6	