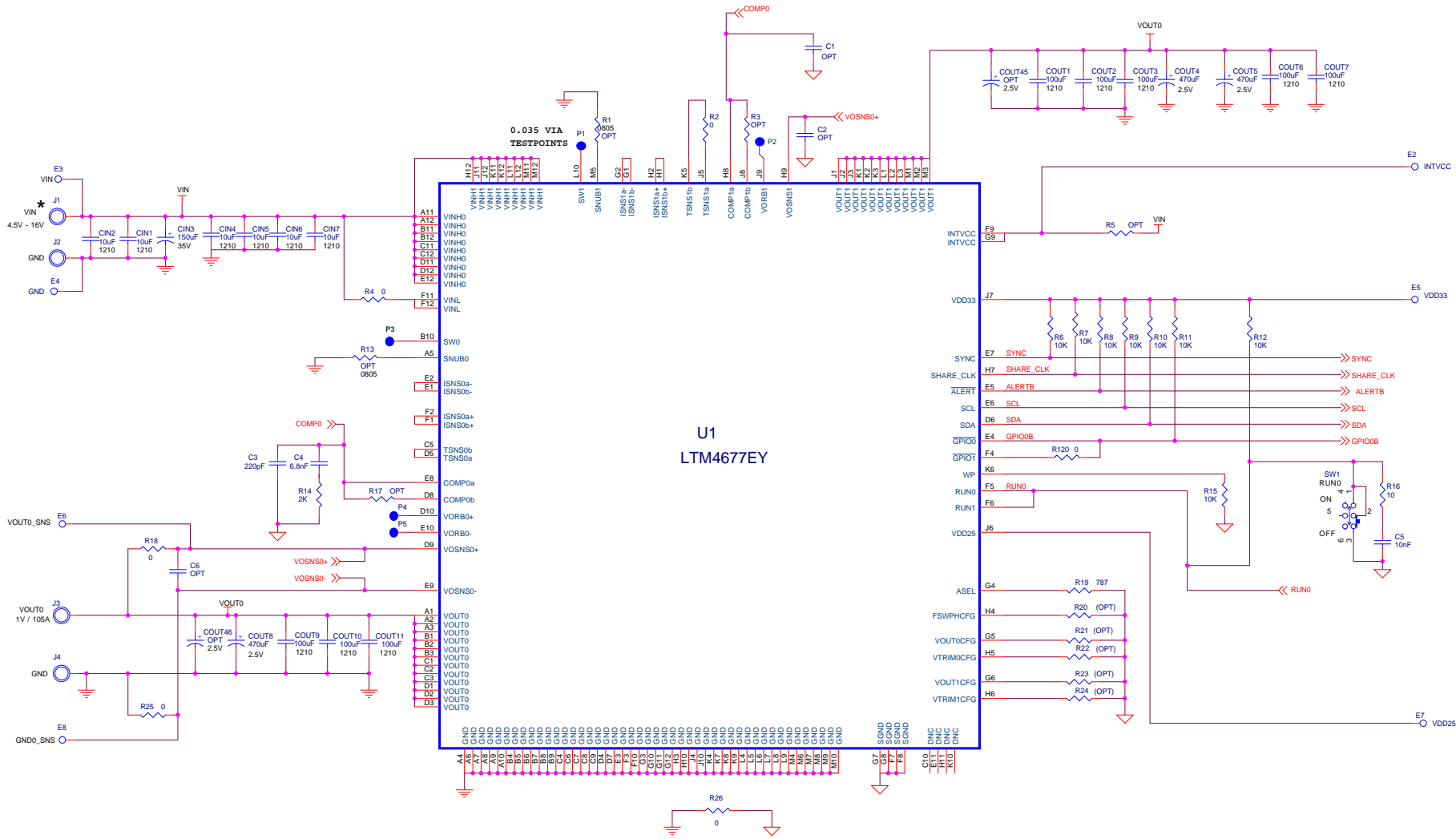


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	2	PRODUCTION	Simon T.	11-25-15



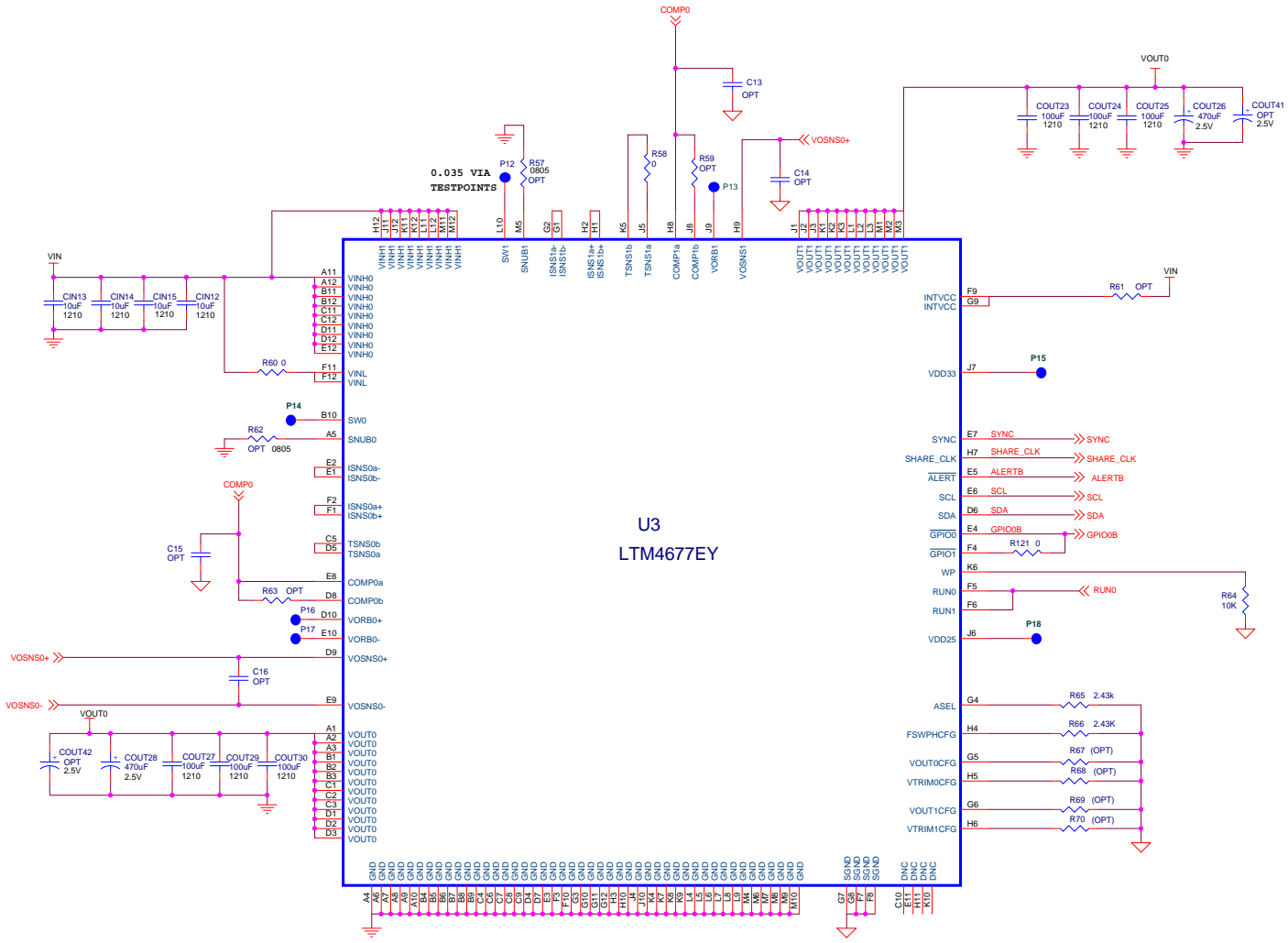
NOTE: UNLESS OTHERWISE SPECIFIED

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

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

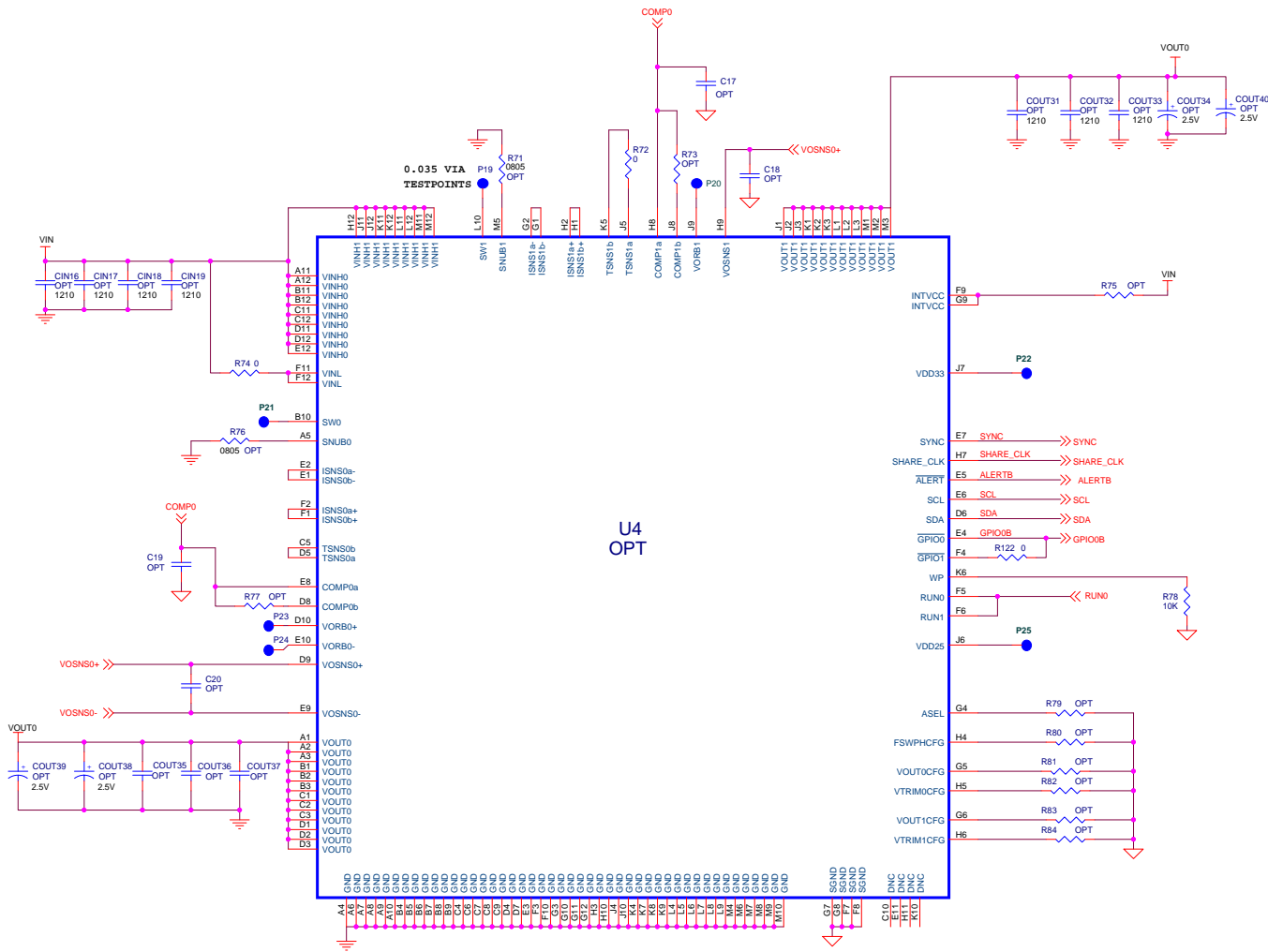
CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY	
<p>LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED 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. <b>LTM4677EY</b> REV. <b>1</b></p>	
<p>SCALE = NONE</p>		<p>DATE: Tuesday, January 19, 2016</p>		<p>DEMO CIRCUIT 2143A-B SHEET 1 OF 6</p>	





U3  
LTM4677EY

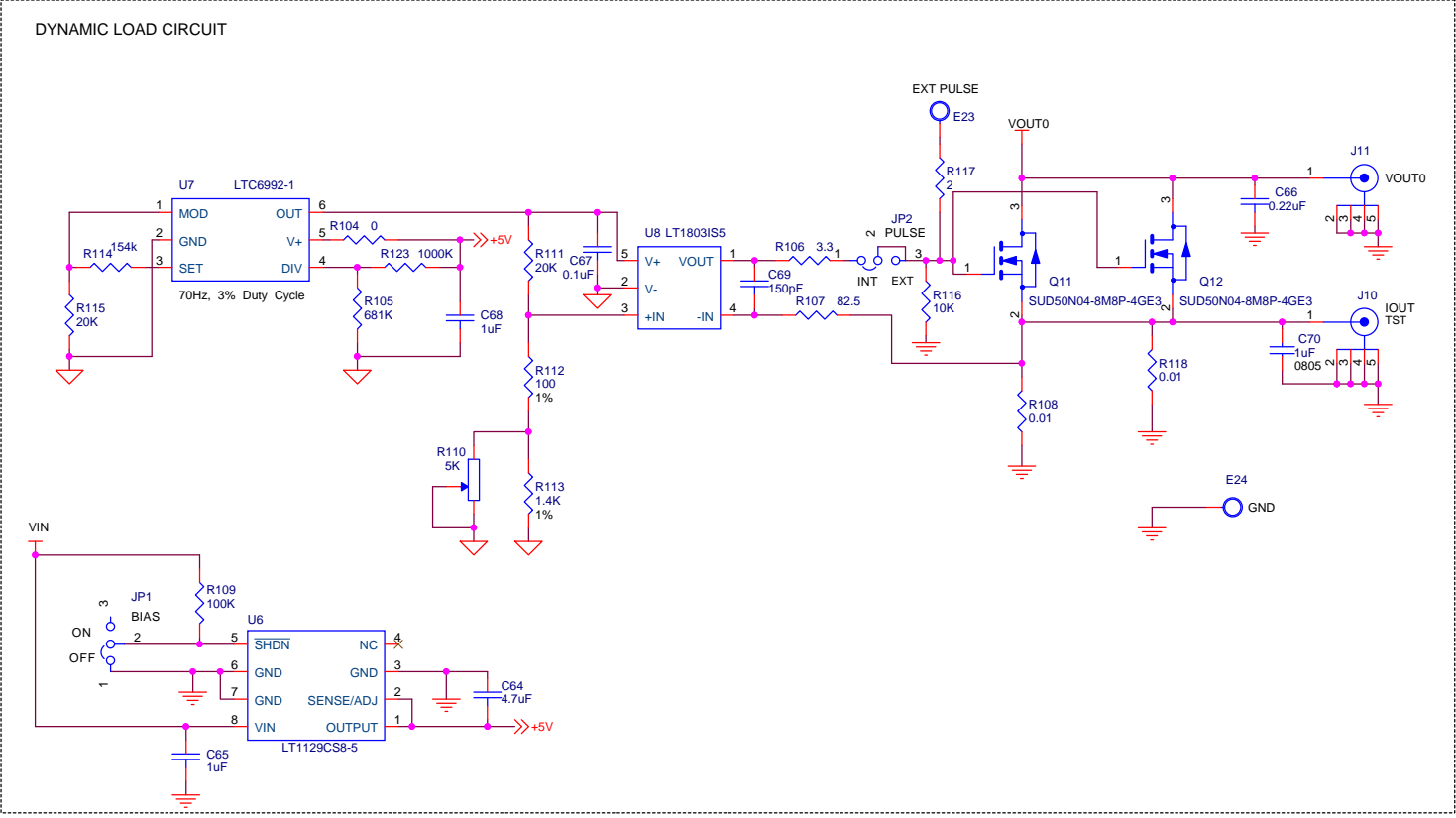
<b>CUSTOMER NOTICE</b> LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.		<b>APPROVALS</b> PCB DES: HZ APP ENG: JAN L		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		
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SIZE: B SCALE: NONE	IC NO.: LTM4677EY DEMO CIRCUIT 2143A-B	REV. 1
		DATE: Tuesday, January 19, 2016	SHEET 3 OF 6	



<b>CUSTOMER NOTICE</b> 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.		<b>APPROVALS</b> 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.		SIZE <b>B</b>	IC NO. <b>LTM4677EY</b>	REV. <b>1</b>	DATE: Monday, July 27, 2015
SCALE = NONE		DEMO CIRCUIT 2143A-B		SHEET 4 OF 6	



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



<p><b>CUSTOMER NOTICE</b></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><b>APPROVALS</b></p>				<p>1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 <a href="http://www.linear.com">www.linear.com</a> Fax: (408)434-0507 LTC Confidential-For Customer Use Only</p>	
		<p>PCB DES. HZ</p>	<p>APP ENG. JIAN L.</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>SCALE = NONE</p>	<p>DATE: Wednesday, November 25, 2015</p>	<p>SIZE B</p>	<p>IC NO. LTM4677EY DEMO CIRCUIT 2143A-B</p>	<p>REV. 1</p>	<p>SHEET 6 OF 6</p>