

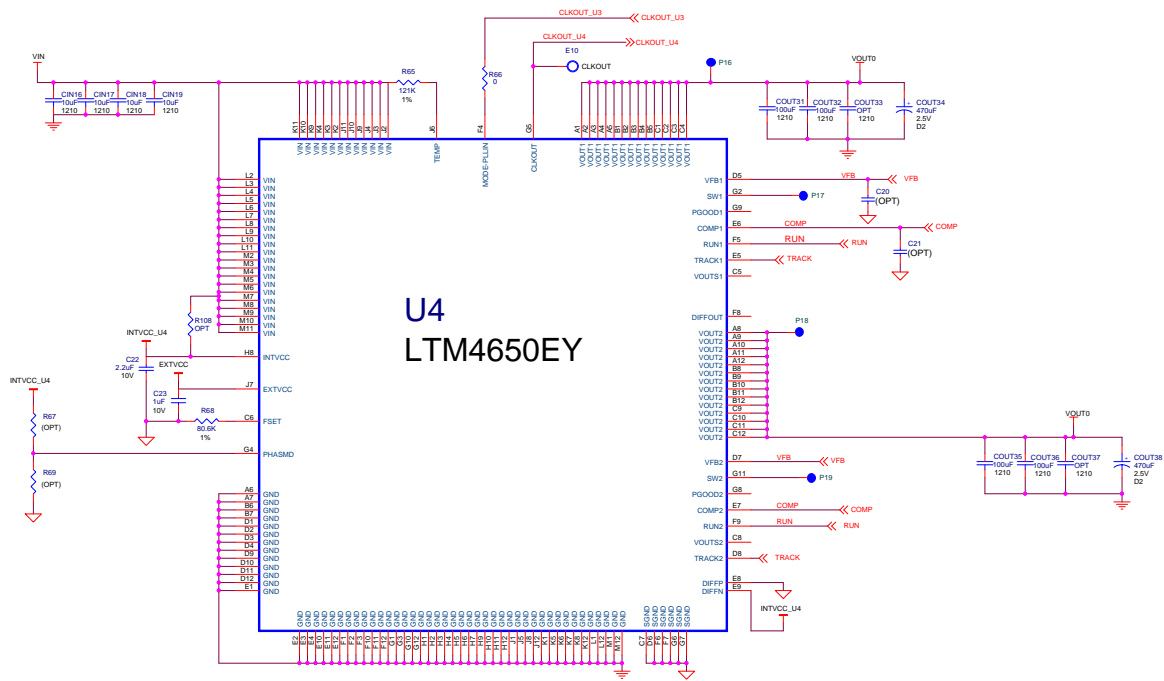
# U2 LTM4650EY

**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. FOR RELIABILITY, CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.

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

<b>APPROVALS</b>		<p>1630 McCarthy Blvd.          Milpitas, CA 95035          Phone: (650)321-1900          Fax: (650)434-0507          www.linear.com          LTC Confidential-For Customer Use Only</p>
FOR DES.	HZ	
APP ENG.	ST	
TITLE: SCHEMATIC		HIGH EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN $\mu$ MODULE REGULATOR WITH POWER SYSTEM MANAGEMENT
SIZE B	IC NO.	
	<b>LTM4677EY / LTM4650EY</b>	REV. 1
	<b>DEMO CIRCUIT 2481A-A/B</b>	
DATE:	Monday, April 18, 2016	SHEET 2 OF 6





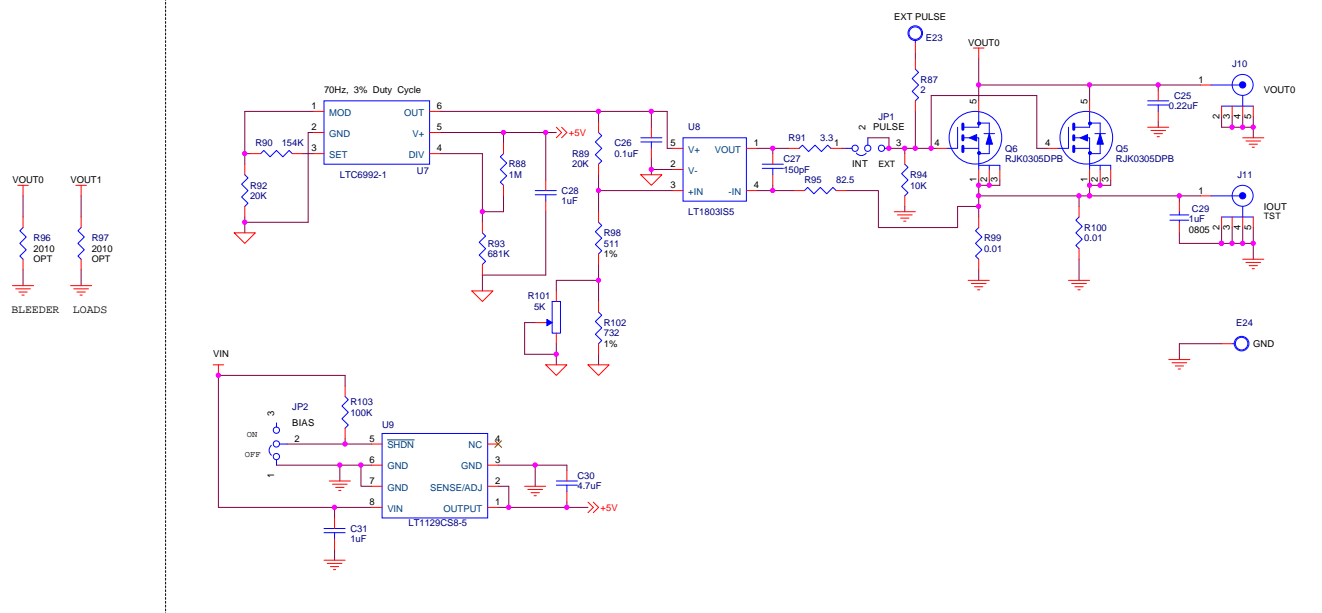
**U4**  
**LTM4650EY**

<p><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. FOR RELIABILITY, CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.</p>		<p><b>APPROVALS</b></p> <table border="1"> <tr> <td>FOR DES.</td> <td>HZ</td> </tr> <tr> <td>APP. ENG.</td> <td>ST</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>		FOR DES.	HZ	APP. ENG.	ST					<p><b>LINEAR TECHNOLOGY</b> 1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (650)433-1900 Fax: (650)434-0507 www.linear.com LTC Confidential-For Customer Use Only</p>	
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<p>SCALE = NONE</p>		<p><b>REV.:</b> 1</p>		<p><b>REV.:</b> 1 <b>SHEET:</b> 4 OF 6</p>									



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

DYNAMIC LOAD CIRCUIT



<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>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p><b>APPROVALS</b></p> <table border="1"> <tr> <td>PCB DES.</td> <td>HZ</td> </tr> <tr> <td>APP. ENG.</td> <td>ST</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table> <p>SCALE = NONE</p>	PCB DES.	HZ	APP. ENG.	ST									<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><b>LINEAR TECHNOLOGY</b></p> <p>TITLE: SCHEMATIC HIGH EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN μMODULE REGULATOR WITH POWER SYSTEM MANAGEMENT</p> <table border="1"> <tr> <td>SIZE</td> <td>IC NO.</td> <td>REV.</td> </tr> <tr> <td>B</td> <td>LTM4677EY / LTM4650EY</td> <td>1</td> </tr> <tr> <td colspan="2">DEMO CIRCUIT 2481A-A/B</td> <td> </td> </tr> </table> <p>DATE: Monday, April 18, 2016</p> <p>SHEET 6 OF 6</p>	SIZE	IC NO.	REV.	B	LTM4677EY / LTM4650EY	1	DEMO CIRCUIT 2481A-A/B		
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