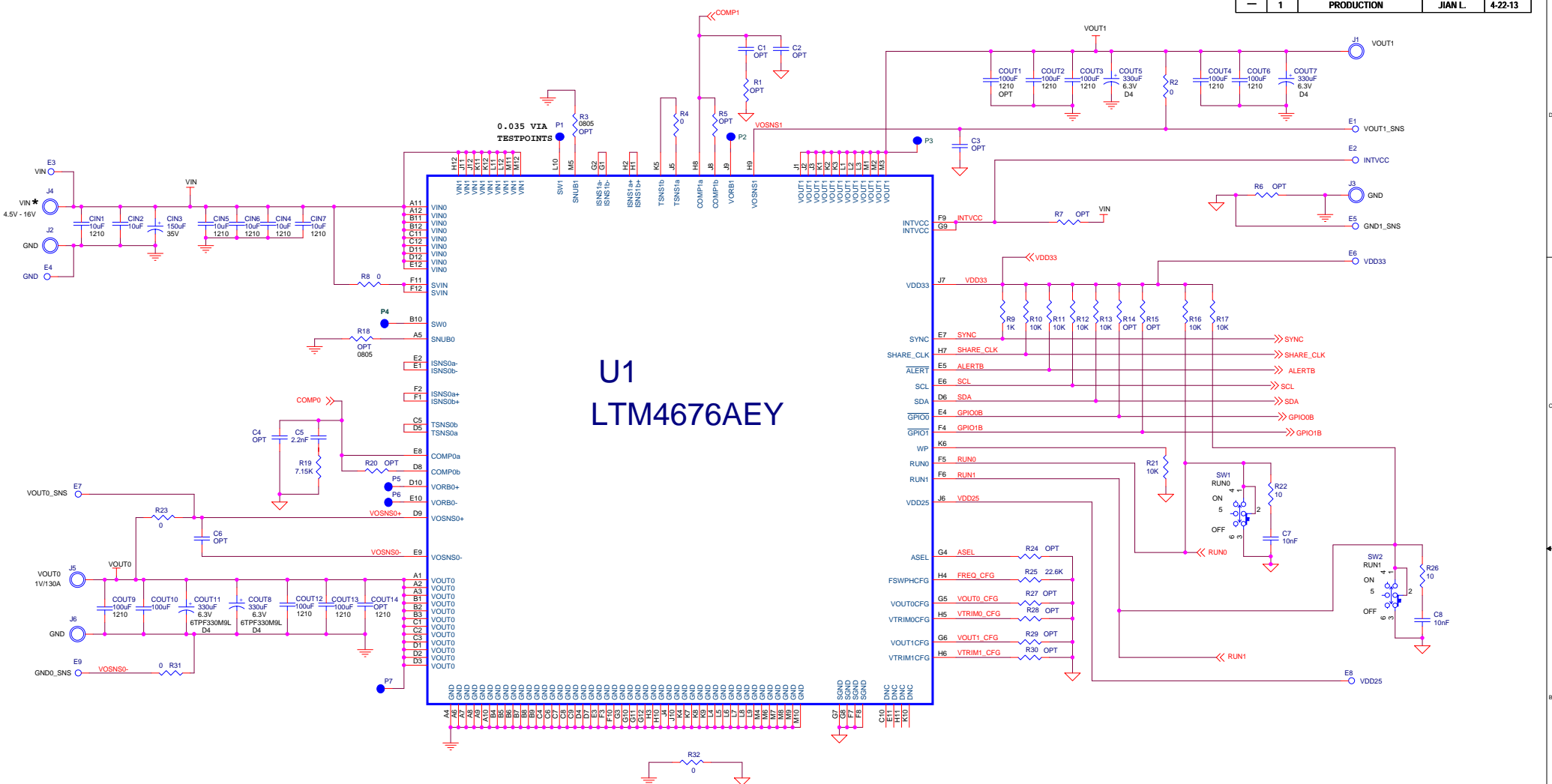


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	1	PRODUCTION	JIAN L.	4-22-13

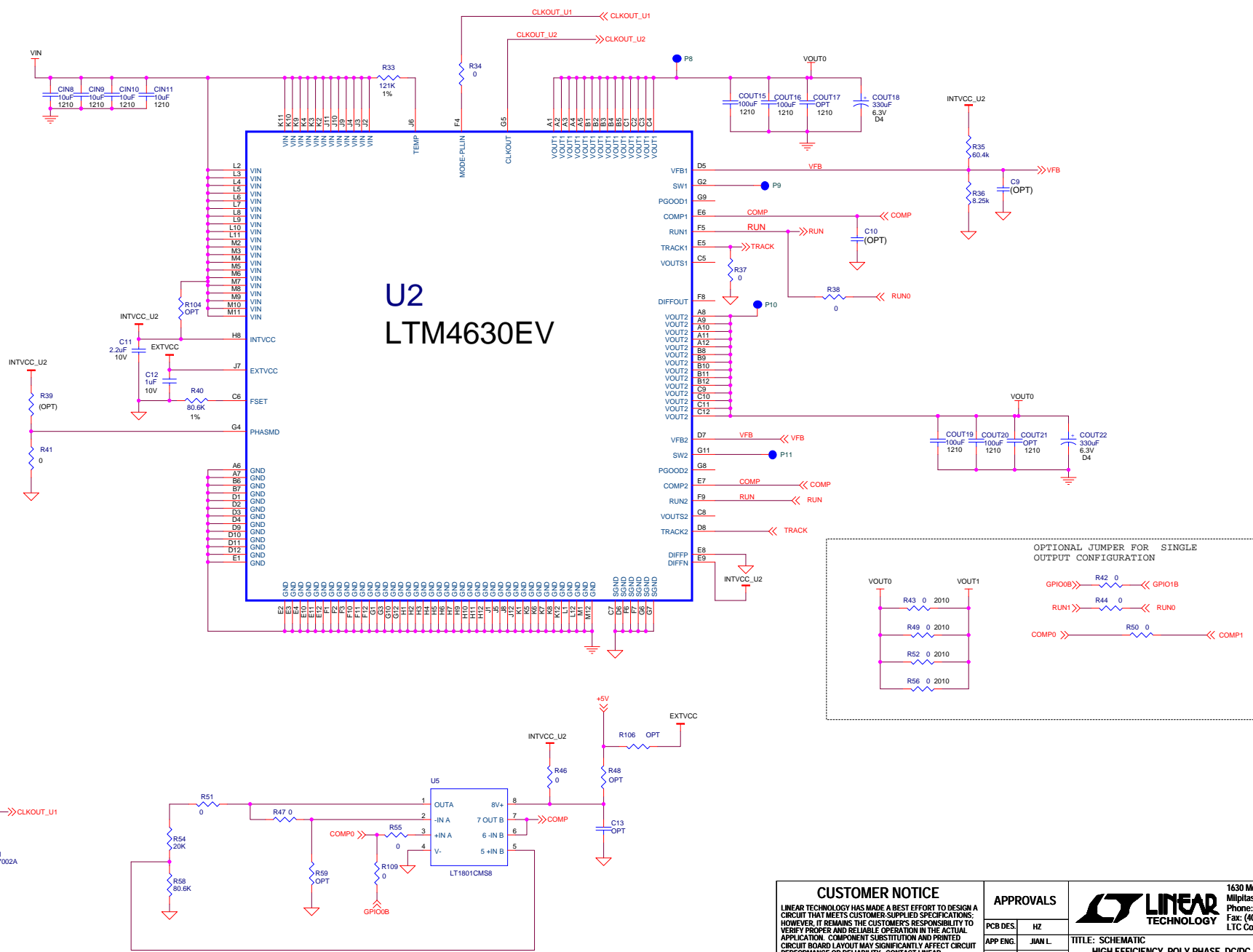


U1
LTM4676AEY

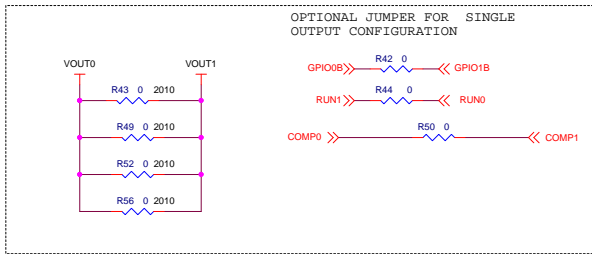
NOTE: UNLESS OTHERWISE SPECIFIED

- 1. ALL RESISTORS ARE 0603.
- ALL CAPACITORS ARE 0603.
- * WHEN VIN < 5.75V, SHORT INTVCC TO VIN WITH R7=0 Ohm.

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. JIAN L.		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, POLY-PHASE, DC/DC STEP-DOWN μMODULE REGULATOR WITH POWER SYSTEM MANAGEMENT			
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE		SIZE B IC NO. LTM4676EY / LTM4630EV DEMO CIRCUIT 2106B-B	REV. 1
		DATE: Thursday, January 15, 2015		SHEET 1 OF 6	



U2
LTM4630EV



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APPROVALS

PCB DES.	HZ
APP ENG.	JIAN L.

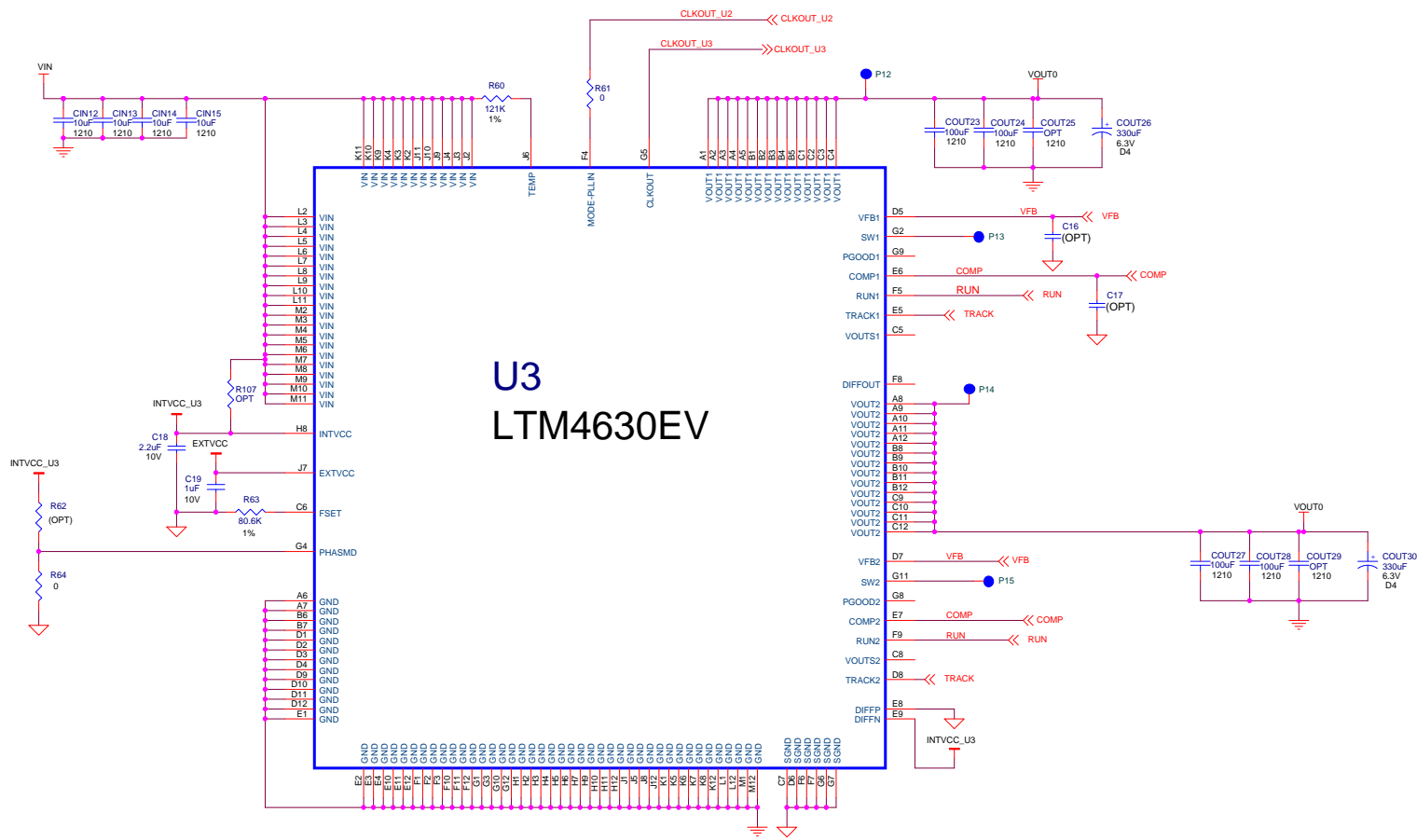
LINEAR TECHNOLOGY
 1630 McCarthy Blvd.
 Milpitas, CA 95035
 Phone: (408)432-1900 www.linear.com
 Fax: (408)434-0507
 LTC Confidential-For Customer Use Only

TITLE: SCHEMATIC
 HIGH EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN
 μMODULE REGULATOR WITH POWER SYSTEM MANAGEMENT

SIZE B	IC NO. LTM4676AEY / LTM4630EV	REV. 1
DATE: Thursday, January 15, 2015	SHEET 2 OF 6	

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

SCALE = NONE



U3
LTM4630EV

CUSTOMER NOTICE

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APPROVALS

PCB DES. HZ

APP ENG. JIAN L.



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TITLE: SCHEMATIC
HIGH EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN
µMODULE REGULATOR WITH POWER SYSTEM MANAGEMENT

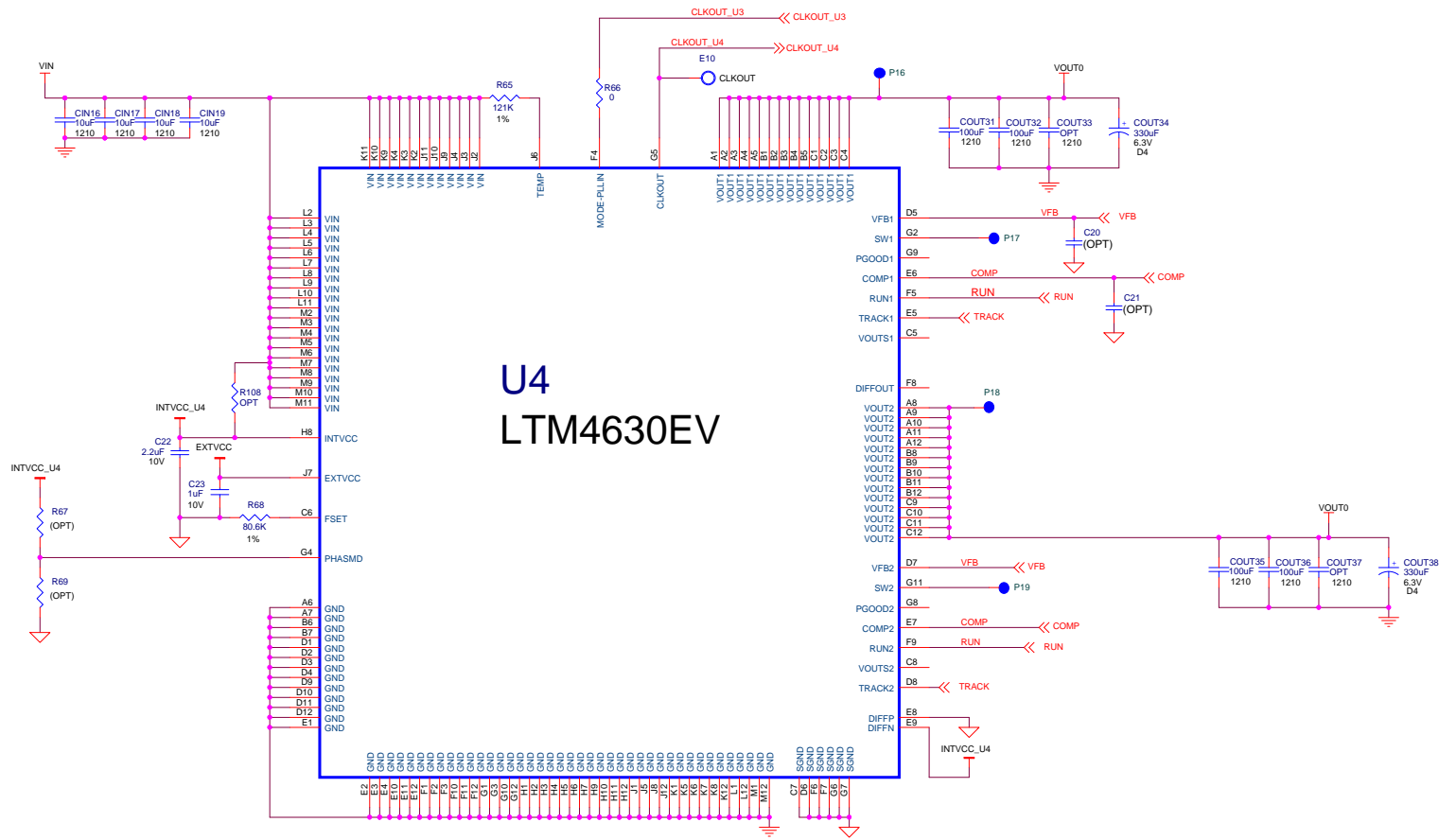
SIZE B IC NO. LTM4676AEY / LTM4630EV REV. 1
DEMO CIRCUIT 2106B-B

DATE: Thursday, January 15, 2015

SHEET 3 OF 6

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

SCALE = NONE



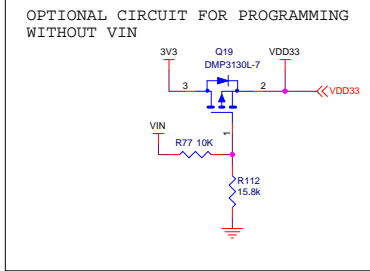
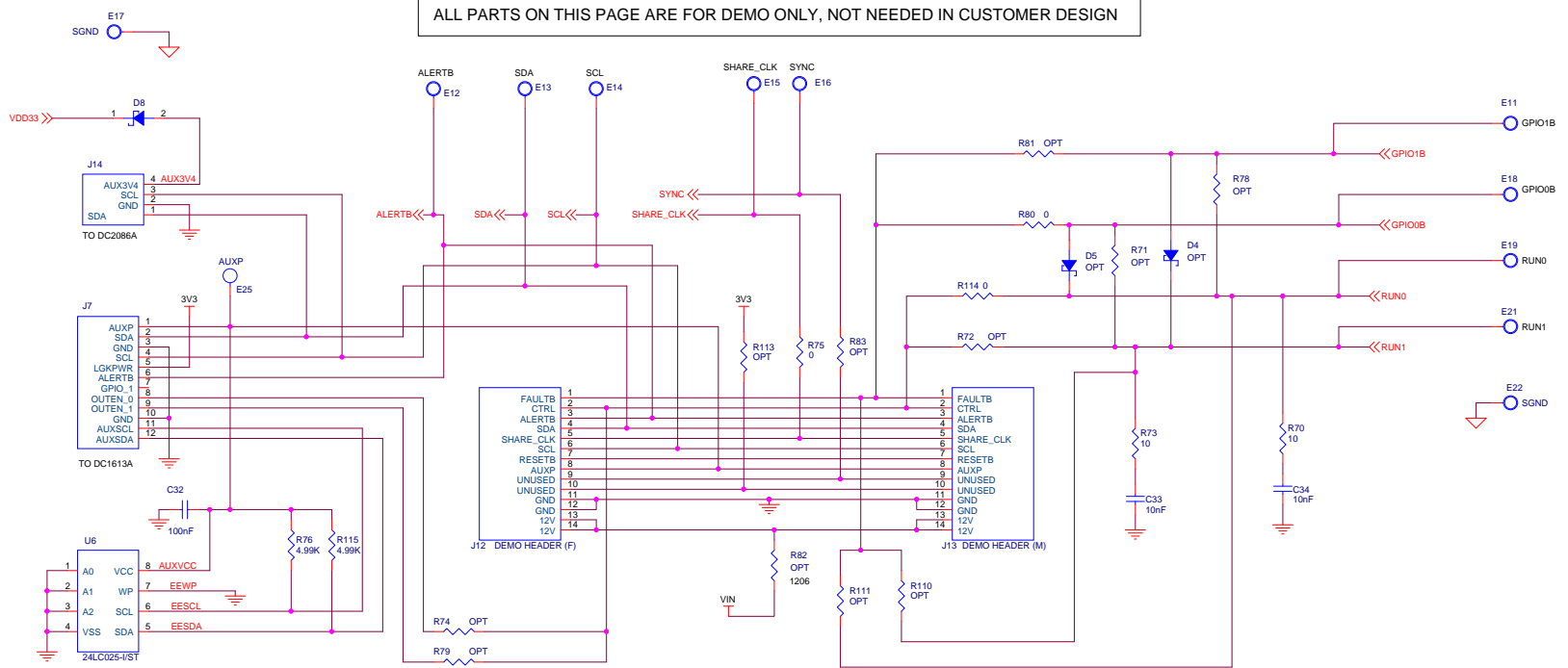
CUSTOMER NOTICE
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THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

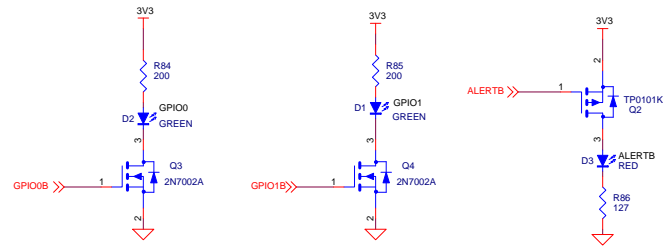
APPROVALS	
PCB DES.	HZ
APP ENG.	JUAN L.
SCALE = NONE	

		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, POLY-PHASE, DC/DC STEP-DOWN μMODULE REGULATOR WITH POWER SYSTEM MANAGEMENT	
SIZE B	IC NO. LTM4676AEY / LTM4630EV	REV. 1	
DATE: Thursday, January 15, 2015		SHEET 4 OF 6	

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



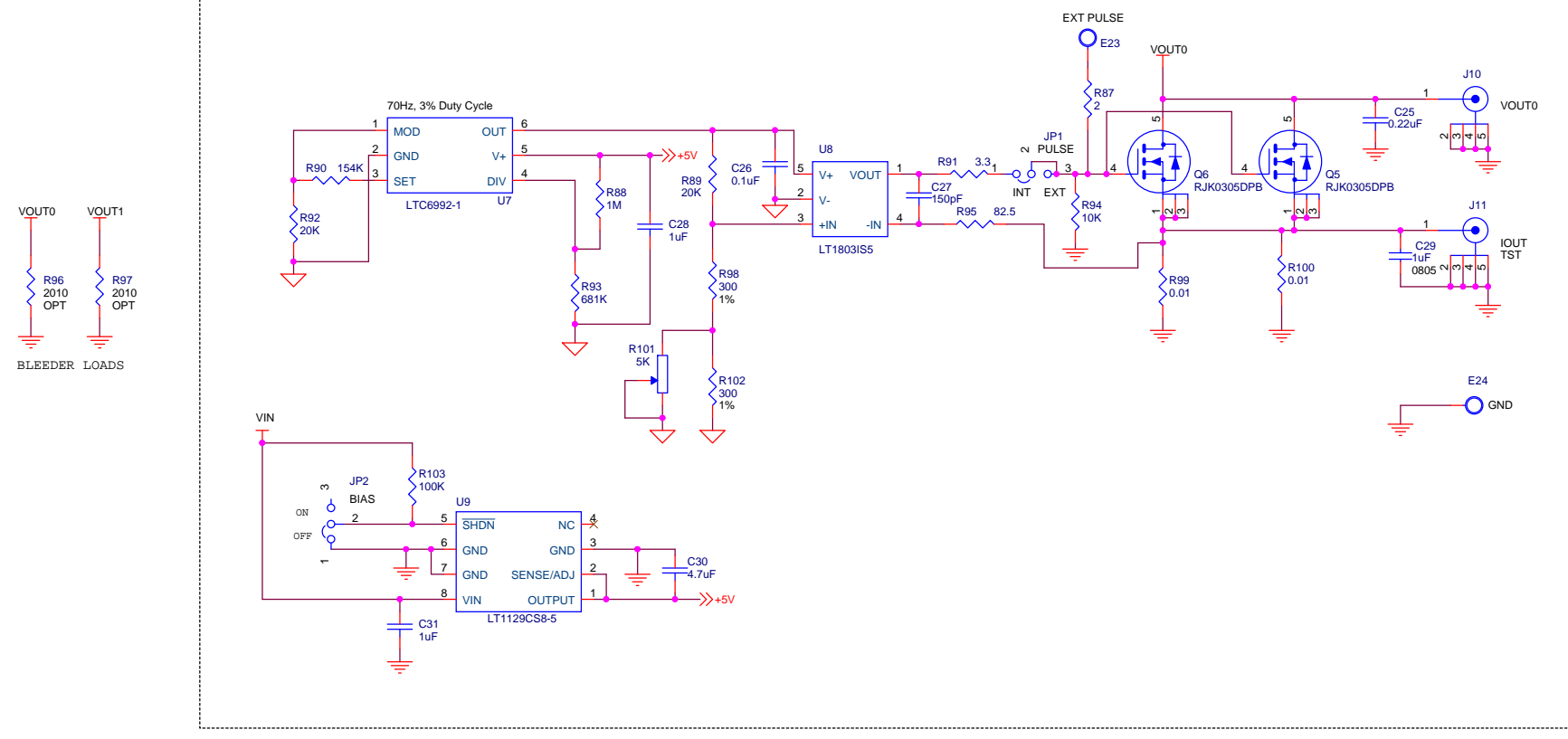
PSM STACKING CONNECTORS:
 J1, MALE, CONN HEADER 14POS 2MM R/A GOLD, Molex Connector Corp. 87760-1416
 J2, FEMALE, CONN RECEPT 2MM DUAL R/A 14POS, Sullins Conn. NPPN072PJFN-RC



<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> <table border="1"> <tr> <td>PCB DES.</td> <td>HZ</td> </tr> <tr> <td>APP ENG.</td> <td>JIAN L.</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>		PCB DES.	HZ	APP ENG.	JIAN L.					<p>LINEAR TECHNOLOGY</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												
APP ENG.	JIAN L.												
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>TITLE: SCHEMATIC HIGH EFFICIENCY, POLY-PHASE, DC/DC STEP-DOWN μMODULE REGULATOR WITH POWER SYSTEM MANAGEMENT</p>		<p>SIZE B IC NO. LTM4676AEY / LTM4630EV REV. 1 DEMO CIRCUIT 2106B-B</p>									
<p>SCALE = NONE</p>		<p>DATE: Thursday, January 15, 2015</p>		<p>SHEET 5 OF 6</p>									

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

DYNAMIC LOAD CIRCUIT



<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			APP ENG.	JIAN L.
<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 POWER SYSTEM MANAGEMENT</p>			
		SIZE	B	IC NO.	LTM4676AEY / LTM4630EV DEMO CIRCUIT 2106B-B	REV.	1
		DATE: Thursday, January 15, 2015		SHEET 6 OF 6			