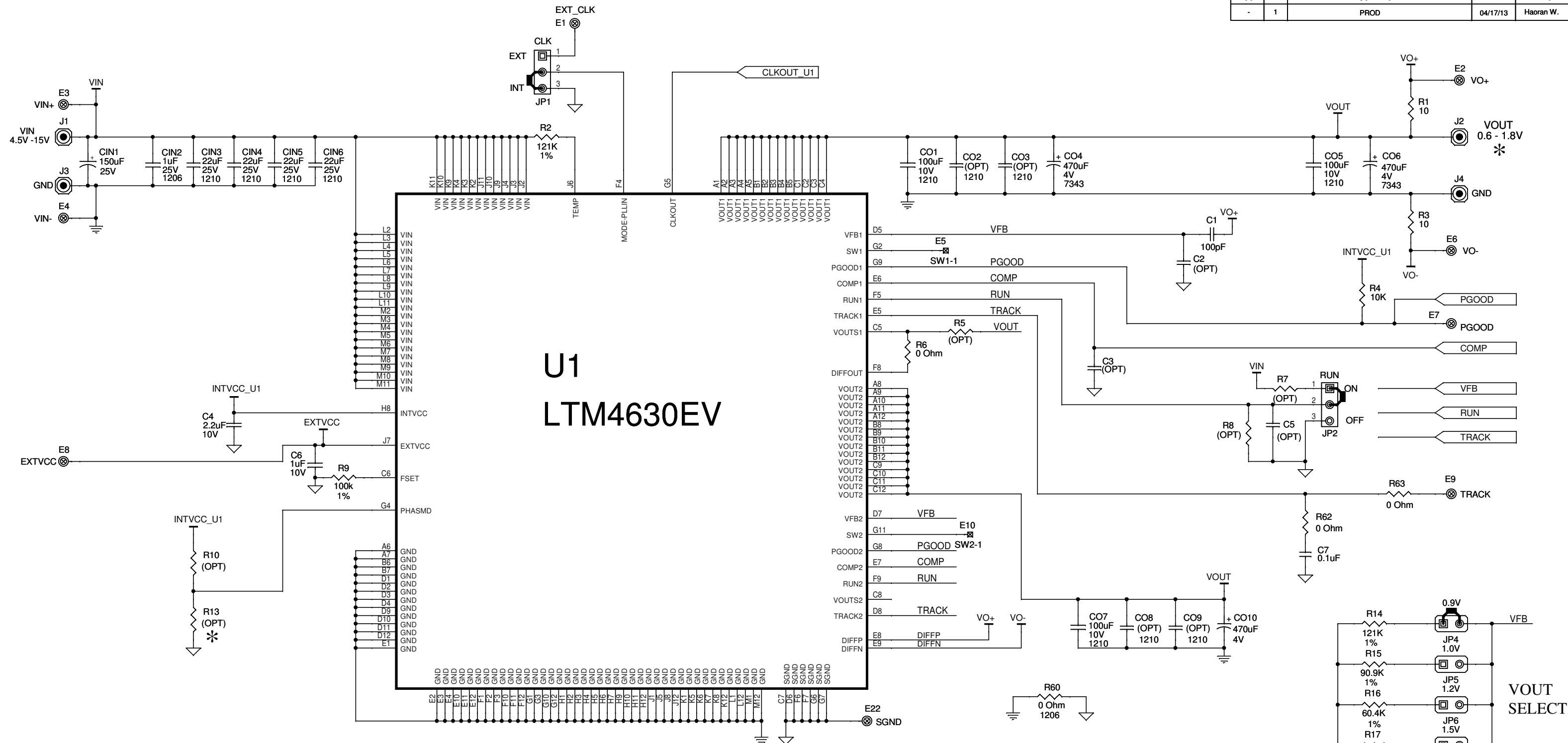


REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
-	1	PROD	04/17/13	Haoran W.



NOTE: UNLESS OTHERWISE SPECIFIED,
1. ALL CAPACITORS, RESISTORS 0603.

*										
ASSY	I.C.	Iout	R13	R34	Cin12, 13, 14, 15	Cin16, 17, 18, 19	Co20, 26	Co30, 34	Co23, 29	Co31, 37
-A	U1, U2	70A	OPT	OPT	OPT	OPT	OPT	OPT	OPT	OPT
-B	U1, U2, U3	105A	0	0	22uF	OPT	100uF	OPT	470uF	OPT
-C	U1, U2, U3, U4	140A	OPT	0	22uF	22uF	100uF	100uF	470uF	470uF

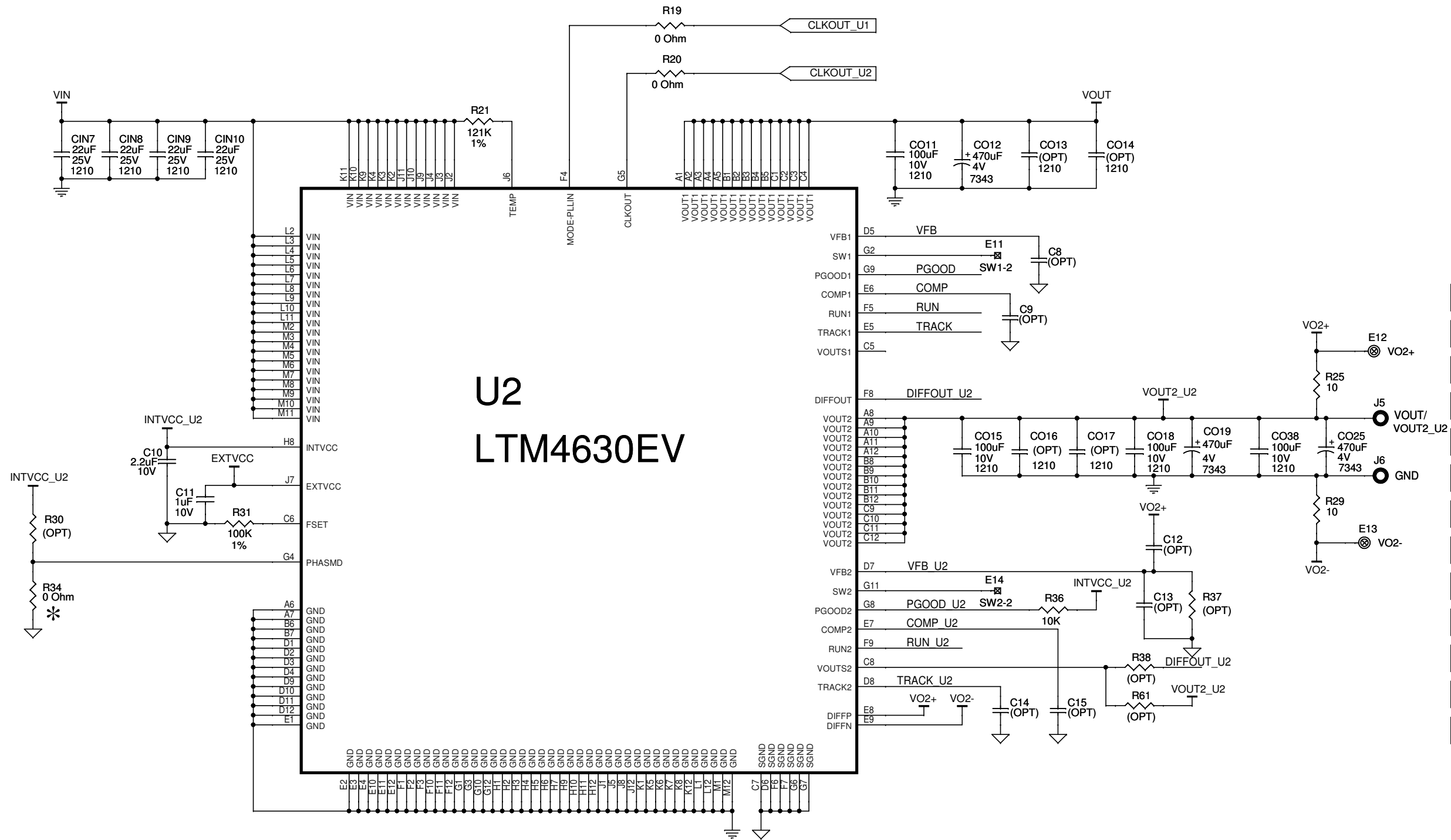
CUSTOMER NOTICE
LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.
C:\DESIGN\20\2007A-1\2007A-1.DSN
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.

APPROVALS
PCB DES. MI/RB
APP ENG. Haoran W.SCALE = NONE

LINEAR TECHNOLOGY
1630 McCarthy Blvd.
Milpitas, CA 95035 www.linear.com
Phone: (408)432-1900
Fax: (408)434-0507
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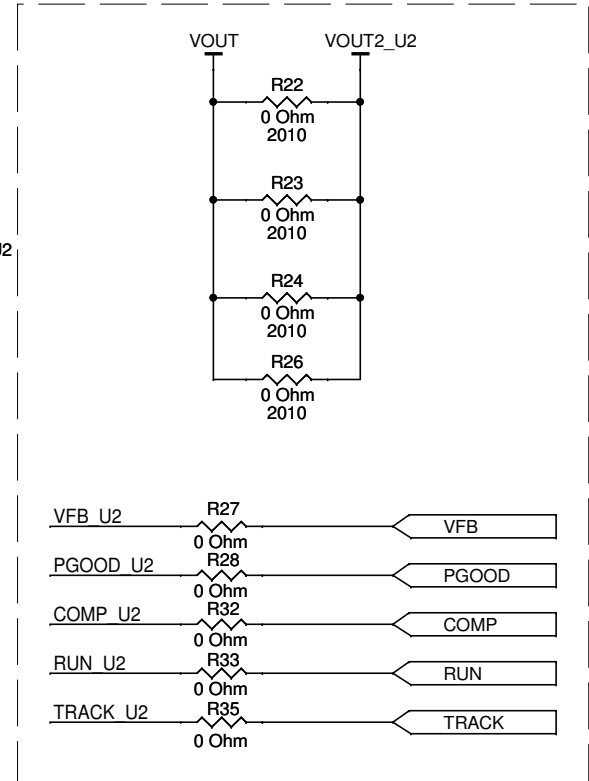
TITLE: SCHEMATIC
HIGH EFFICIENCY, POLYPHASE,
STEP-DOWN POWER μ MODULE REGULATOR

SIZE N/A IC NO. LTM4630EV
REV. 1
DATE: 05/22/13 05:46:21 SHEET 1 OF 4

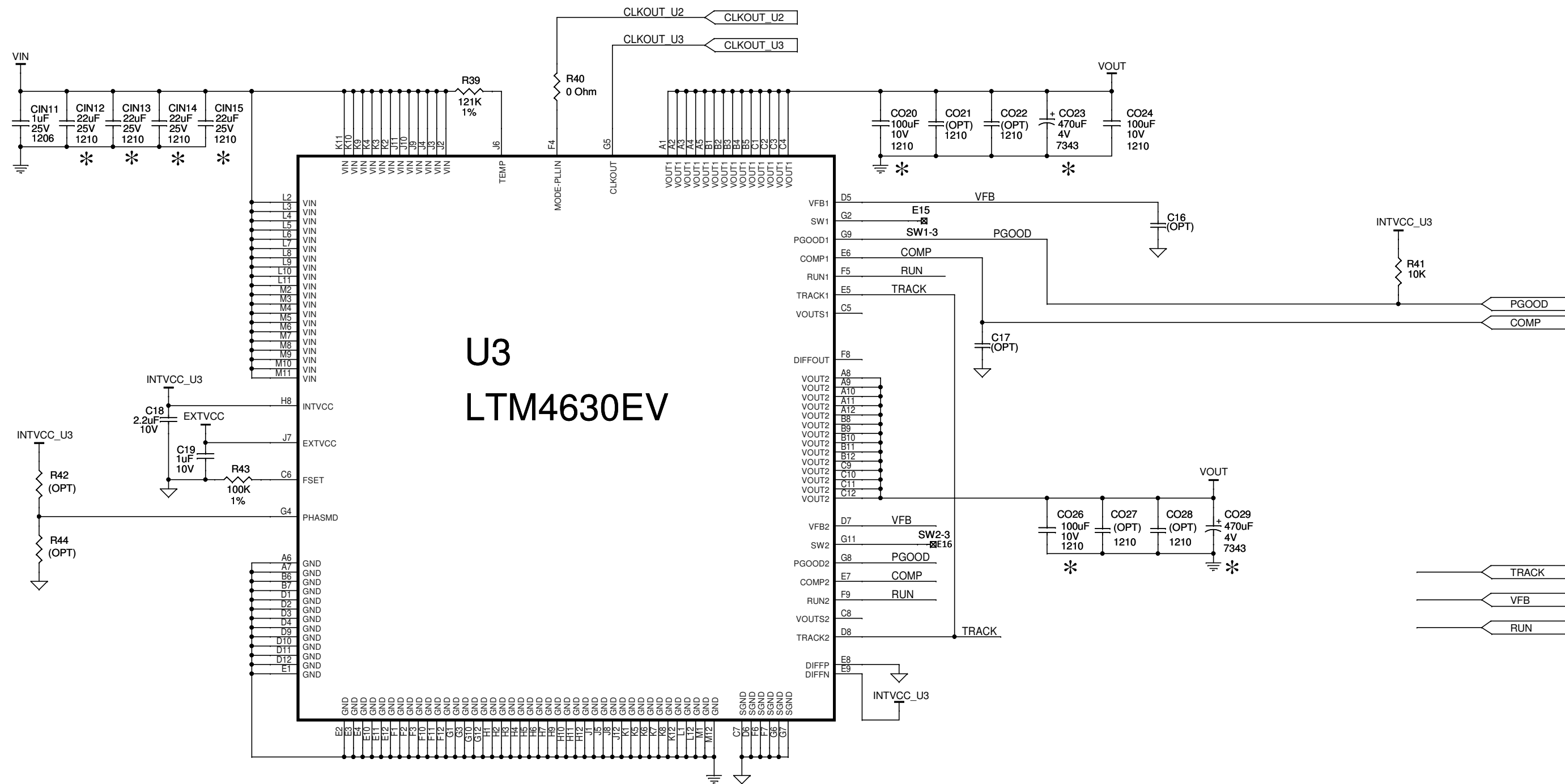


U2
LTM4630EV

REMOVE 0 OHM JUMPERS
FOR SEPARATE VOUT2_U2.

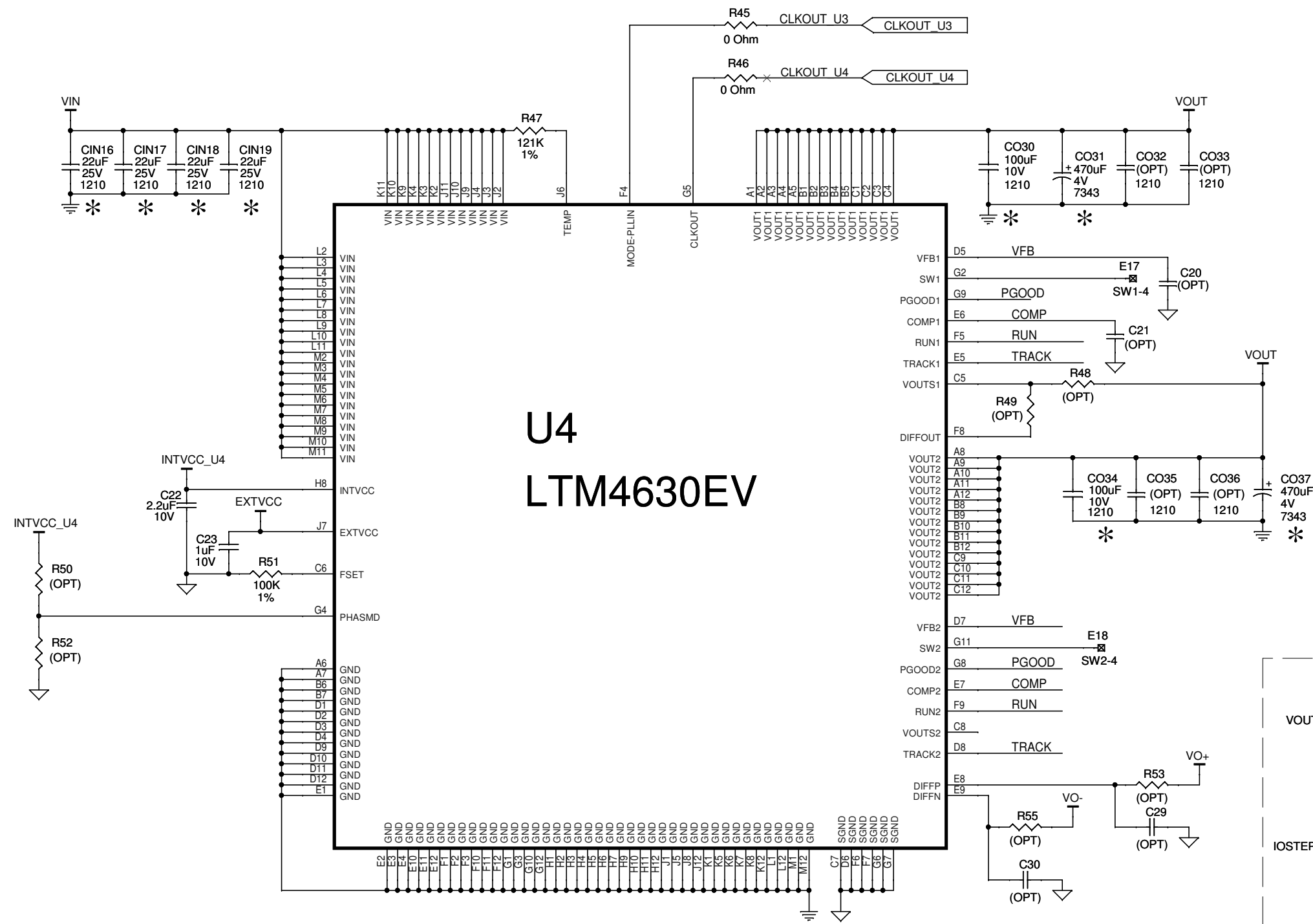


<p>CUSTOMER NOTICE</p> <p>LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.</p> <p>C:\DESIGN\20\2007A-1\2007A-1.DSN</p> <p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>APPROVALS</p> <p>PCB DES. MI/RB</p> <p>APP ENG. Haoran W.</p>		<p>1630 McCarthy Blvd. Milpitas, CA 95035 www.linear.com Phone: (408)432-1900 Fax: (408)434-0507</p> <p>LTC CONFIDENTIAL - FOR CUSTOMER USE ONLY</p>	
		<p>TITLE: SCHEMATIC</p> <p>HIGH EFFICIENCY, POLYPHASE, STEP-DOWN POWER μMODULE REGULATOR</p>		<p>SIZE N/A</p> <p>IC NO. LTM4630EV</p> <p>REV. 1</p>	
<p>SCALE = NONE</p>		<p>DATE: 05/22/13 05:46:21</p>		<p>SHEET 2 OF 4</p>	

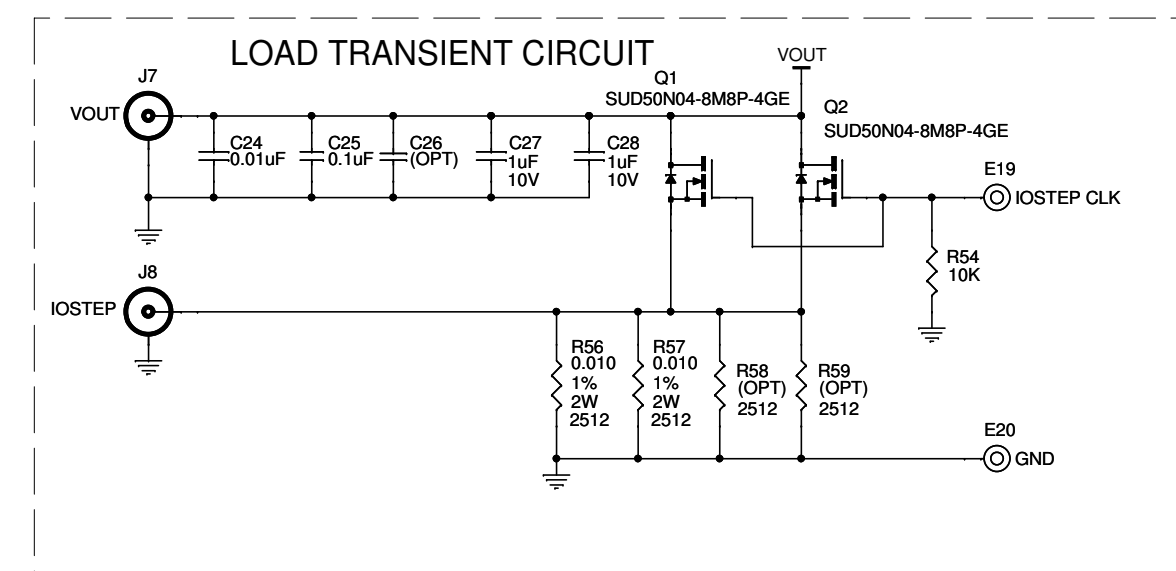
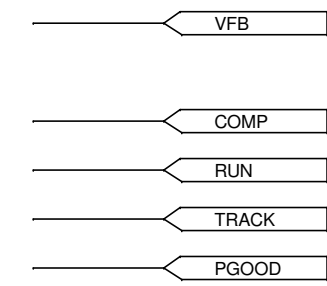


U3
LTM4630EV

<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>C:\DESIGN\20\2007A-1\2007A-1.DSN</p> <p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>APPROVALS</p> <p>PCB DES. MI</p> <p>APP ENG. Haoran W.</p>		<p>1630 McCarthy Blvd. Milpitas, CA 95035 www.linear.com Phone: (408)432-1900 Fax: (408)434-0507</p> <p>LTC CONFIDENTIAL - FOR CUSTOMER USE ONLY</p>	
		<p>TITLE: SCHEMATIC</p> <p>HIGH EFFICIENCY, POLYPHASE, STEP-DOWN POWER μMODULE REGULATOR</p>		<p>SIZE N/A</p> <p>IC NO. LTM4630EV</p> <p>REV. 1</p>	
<p>SCALE = NONE</p>		<p>DATE: 05/22/13 05:46:21</p>		<p>SHEET 3 OF 4</p>	



U4
LTM4630EV



CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY	
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.	MI	TITLE: SCHEMATIC HIGH EFFICIENCY, POLYPHASE, STEP-DOWN POWER μ MODULE REGULATOR	
C:\DESIGN\20\2007A-1\2007A-1.DSN		APP ENG.	Haoran W.		
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE	DATE:	06/11/13 04:54:11	SIZE N/A IC NO. LTM4630EV DEMO CIRCUIT 2007A REV. 1
					1630 McCarthy Blvd. Milpitas, CA 95035 www.linear.com Phone: (408)432-1900 Fax: (408)434-0507 LTC CONFIDENTIAL - FOR CUSTOMER USE ONLY SHEET 4 OF 4