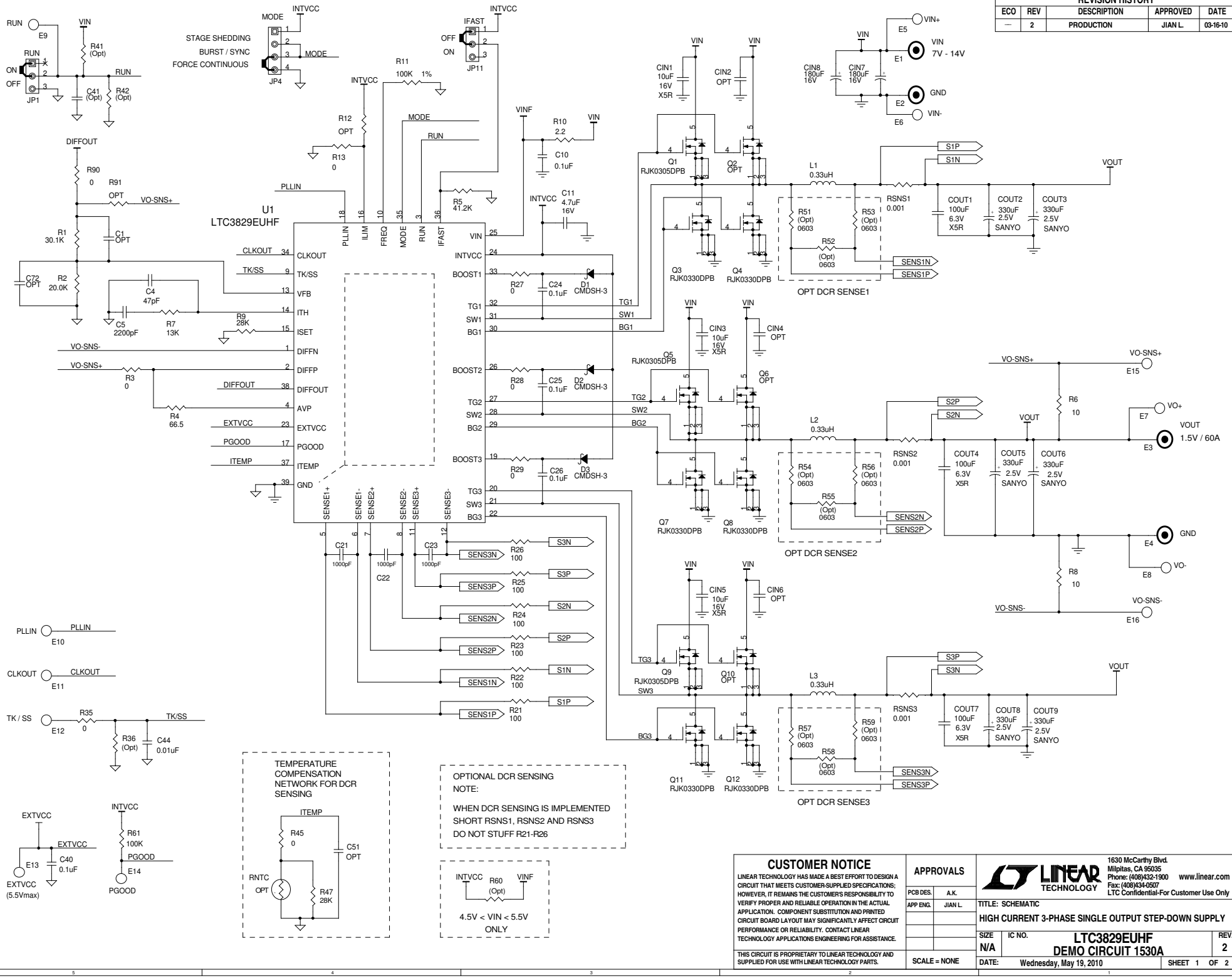
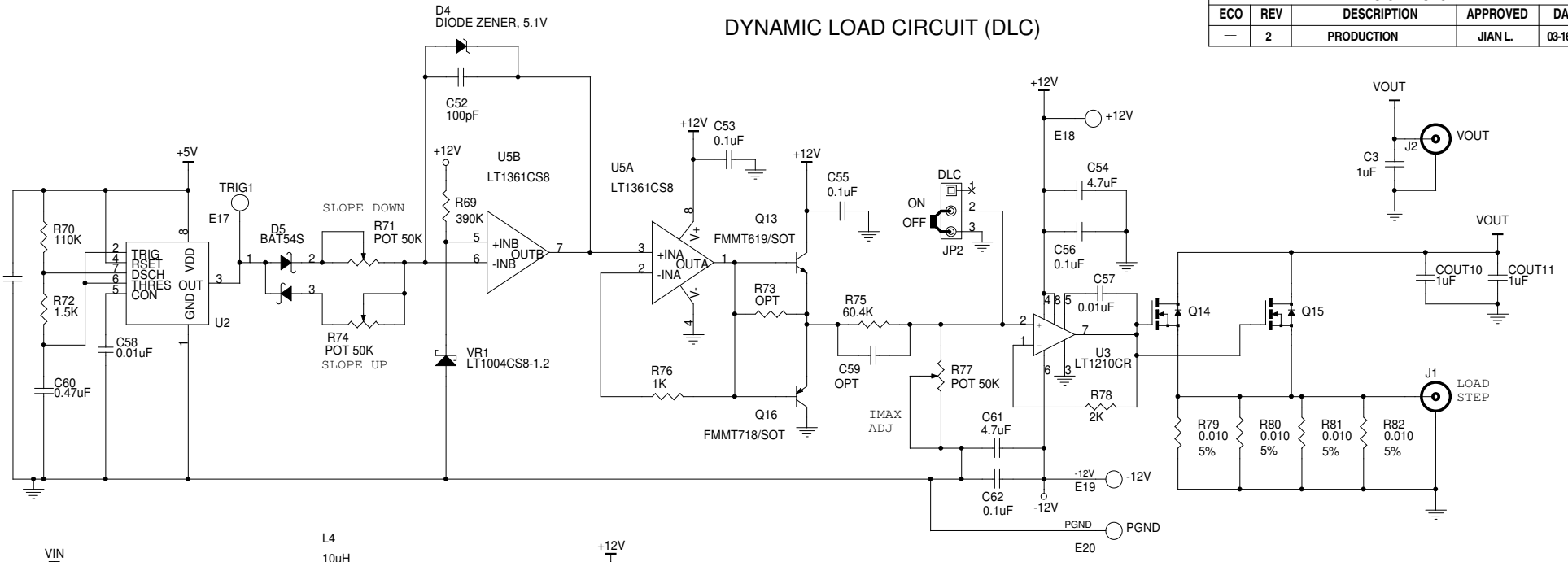
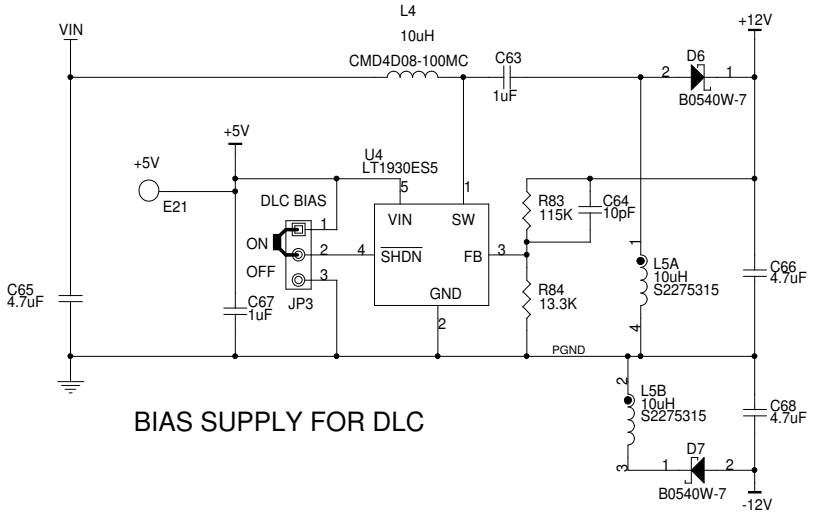

REVISION HISTORY
ECO REV DESCRIPTION APPROVED DATE
— 2 PRODUCTION JIAN L. 03-16-10
U1
LTC3829EUHF
OPT DCR SENSE1
OPT DCR SENSE2
OPT DCR SENSE3
TEMPERATURE COMPENSATION NETWORK FOR DCR SENSING
OPTIONAL DCR SENSING NOTE:
WHEN DCR SENSING IS IMPLEMENTED SHORT RSNS1, RSNS2 AND RSNS3 DO NOT STUFF R21-R26
4.5V < VIN < 5.5V ONLY
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. A.K.
APP ENG. JIAN L.
SCALE = NONE
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 CURRENT 3-PHASE SINGLE OUTPUT STEP-DOWN SUPPLY
SIZE N/A
IC NO. LTC3829EUHF
DEMO CIRCUIT 1530A
REV. 2
DATE: Wednesday, May 19, 2010
SHEET 1 OF 2

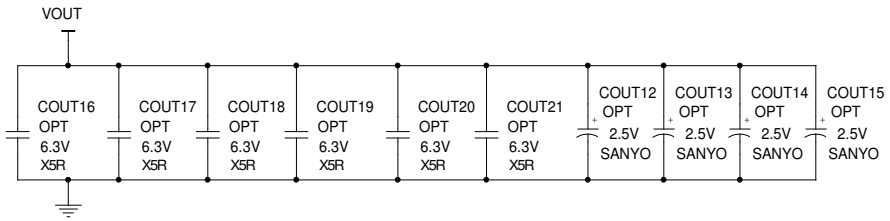
DYNAMIC LOAD CIRCUIT (DLC)

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
—	2	PRODUCTION	JIAN L.	03-16-10

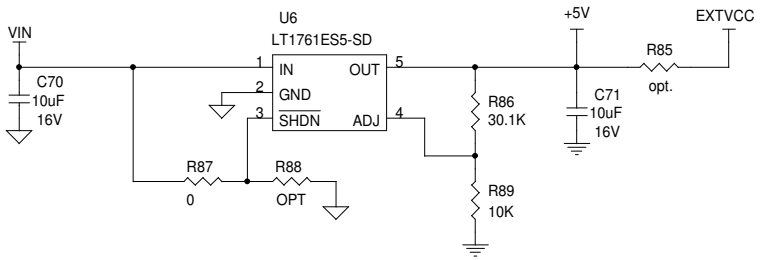




BIAS SUPPLY FOR DLC



LOAD STEP: 1. TURN ON DLC BIAS AN DLC
2. ADJUST R75 FOR LOAD AMPLITUDE
3. ADJUST R71, R74 FOR RISE/FALL TIME



OPTIONAL BIAS SUPPLY

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.	A.K.
APP ENG.	JIAN L.

SCALE = NONE

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TITLE: SCHEMATIC

HIGH CURRENT 3-PHASE SINGLE OUTPUT STEP-DOWN SUPPLY

SIZE	IC NO.	REV.
N/A	LTC3829EUHF DEMO CIRCUIT 1530A	2

DATE: Wednesday, May 19, 2010

SHEET 2 OF 2