

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.	MOS
APP ENG.	DING L



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

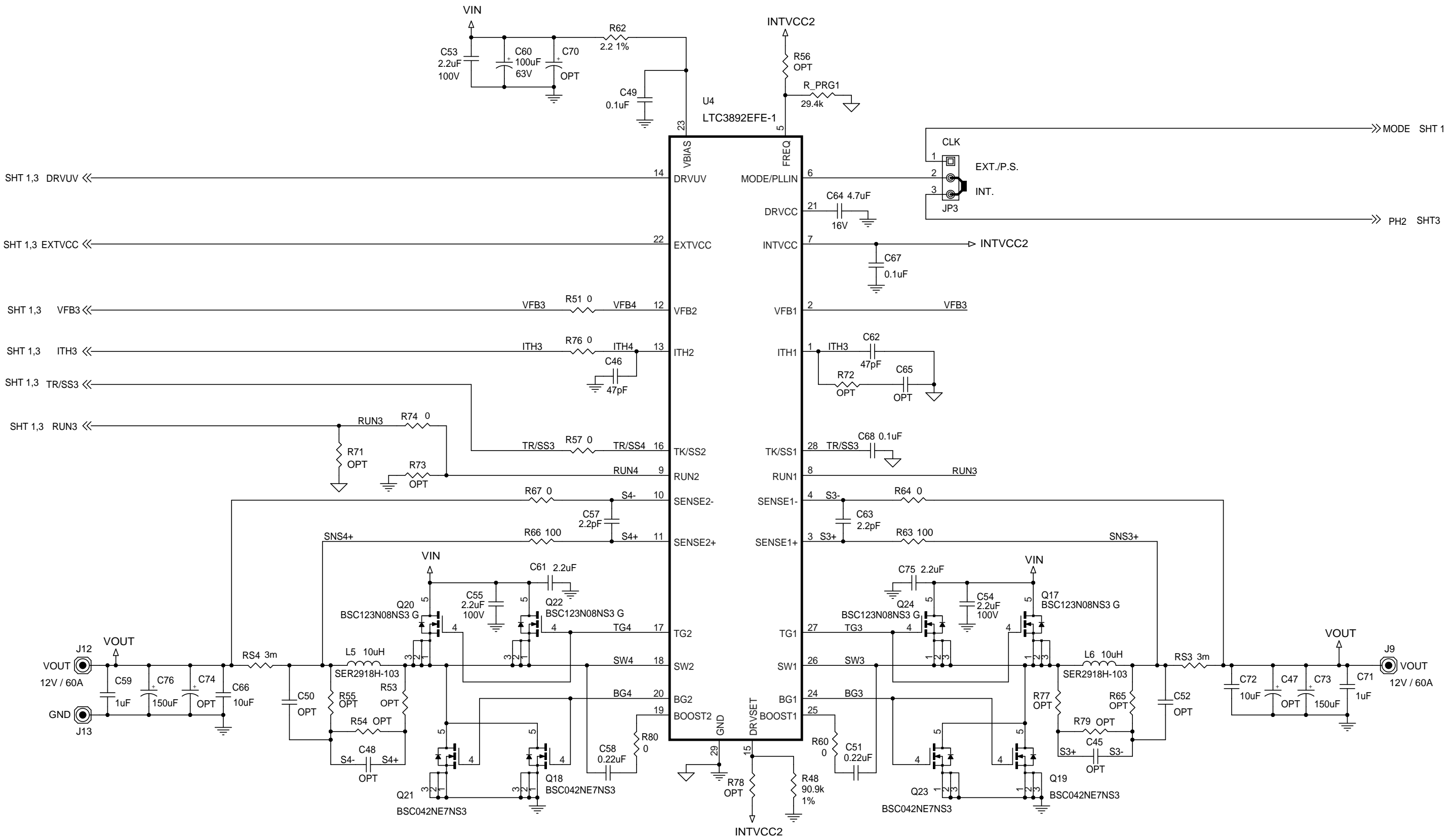
TITLE: SCHEMATIC
HIGH POWER 60V, 4-PHASE SYNCHRONOUS STEP-DOWN SUPPLY

SIZE	IC NO.	LTC3892EFE-1	REV.
N/A	PCB NO.	DEMO CIRCUIT 2190A-A	2

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

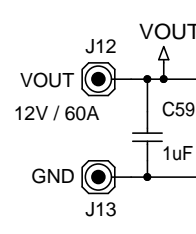
SCALE = NONE

DATE: Friday, November 21, 2014 SHEET 1 OF 3



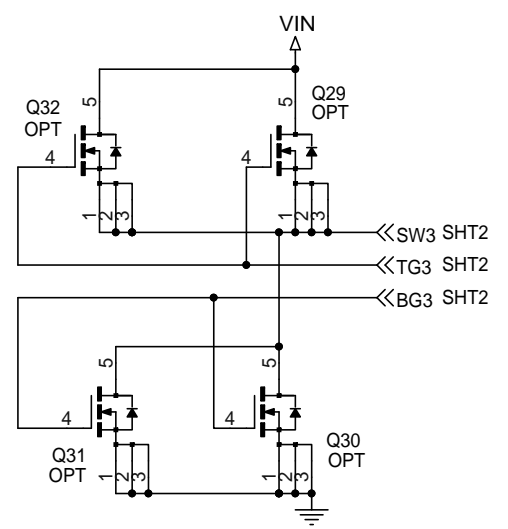
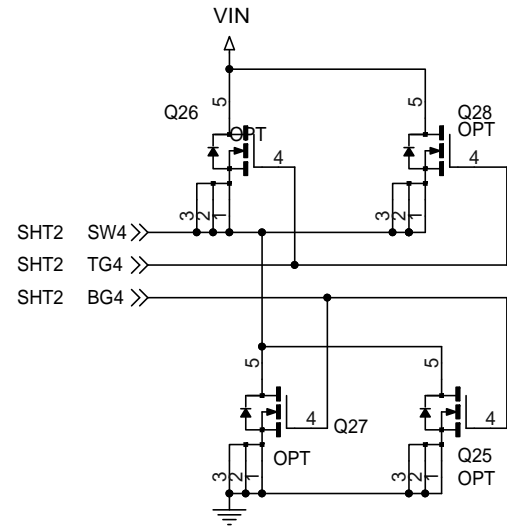
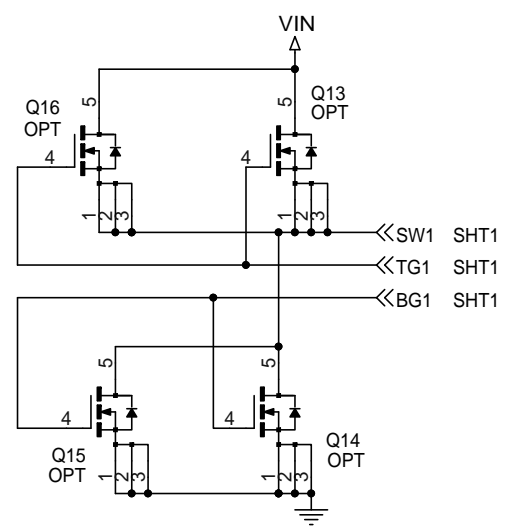
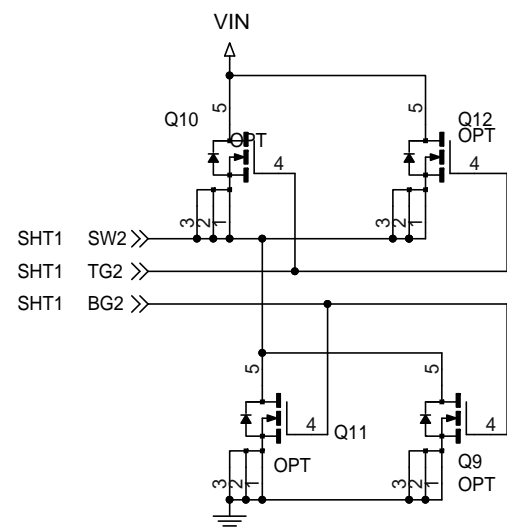
SHT 1,3 DRVUV <<
 SHT 1,3 EXT VCC <<
 SHT 1,3 VFB3 <<
 SHT 1,3 ITH3 <<
 SHT 1,3 TR/SS3 <<
 SHT 1,3 RUN3 <<

>> MODE SHT 1
 >> PH2 SHT3

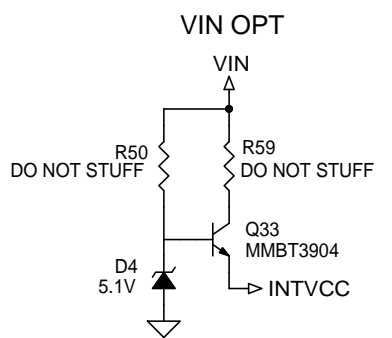
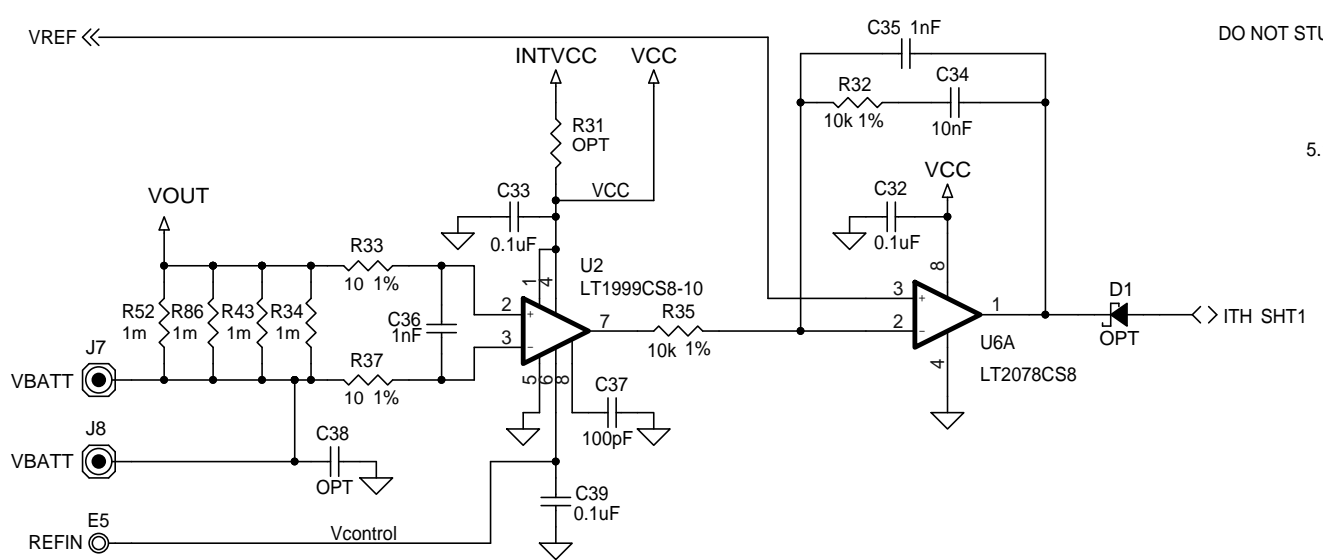


SHT 3 SW3 << SW3
 SHT 3 TG3 << TG3
 SHT 3 BG3 << BG3
 SHT 3 SNS3+ << SNS3+
 SW4 >> SW4 SHT 3
 TG4 >> TG4 SHT 3
 BG4 >> BG4 SHT 3
 SNS4+ >> SNS4+ SHT 3

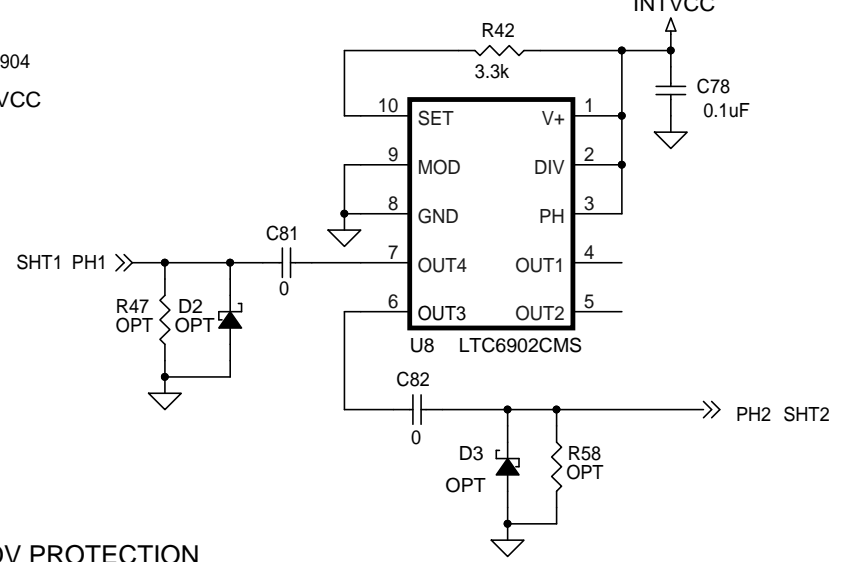
CUSTOMER NOTICE LINEAR TECHNOLOGY HAS MADE A BEST EFFORT TO DESIGN A CIRCUIT THAT MEETS CUSTOMER-SUPPLIED SPECIFICATIONS; HOWEVER, IT REMAINS THE CUSTOMER'S RESPONSIBILITY TO VERIFY PROPER AND RELIABLE OPERATION IN THE ACTUAL APPLICATION. COMPONENT SUBSTITUTION AND PRINTED CIRCUIT BOARD LAYOUT MAY SIGNIFICANTLY AFFECT CIRCUIT PERFORMANCE OR RELIABILITY. CONTACT LINEAR TECHNOLOGY APPLICATIONS ENGINEERING FOR ASSISTANCE.		APPROVALS PCB DES. <i>ML</i> APP ENG. DING 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 POWER 60V, 4-PHASE SYNCHRONOUS STEP-DOWN SUPPLY		SIZE N/A	IC NO. LTC3892EFE-1
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE		DATE: Monday, November 24, 2014	
				SHEET 2 OF 3	



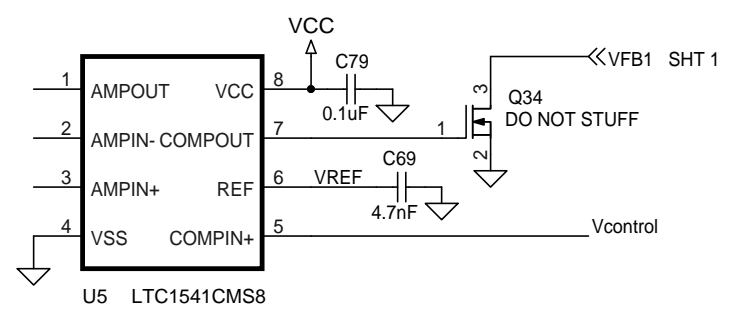
CHARGE/DISCHARGING CURRENT CONTROL (OPTIONAL)



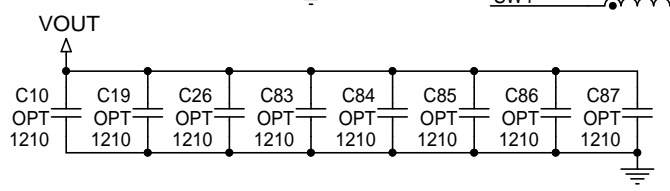
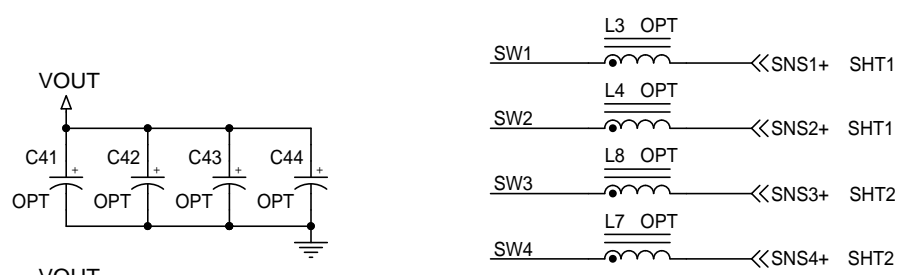
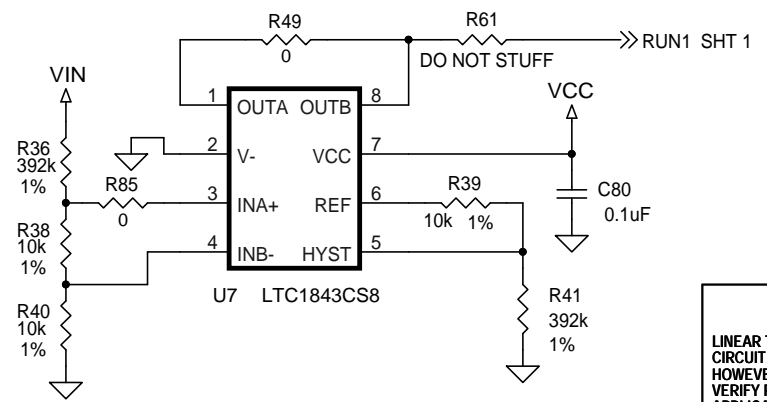
ON BOARD PWM GENERATOR



CHARGE/DISCHARGE MODE FB SWITCH OVER



INPUT UV/OV PROTECTION



THIS PAGE IS FOR BI-DIRECTIONAL CHARGER ONLY.

<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>PCB DES. <i>[Signature]</i></p> <p>APP ENG. DING L.</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 POWER 60V, 4-PHASE SYNCHRONOUS STEP-DOWN SUPPLY</p>		<p>SIZE N/A IC NO. LTC3892EFE-1 REV. 2</p>	
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>SCALE = NONE</p>		<p>DATE: Monday, November 24, 2014 SHEET 3 OF 3</p>	