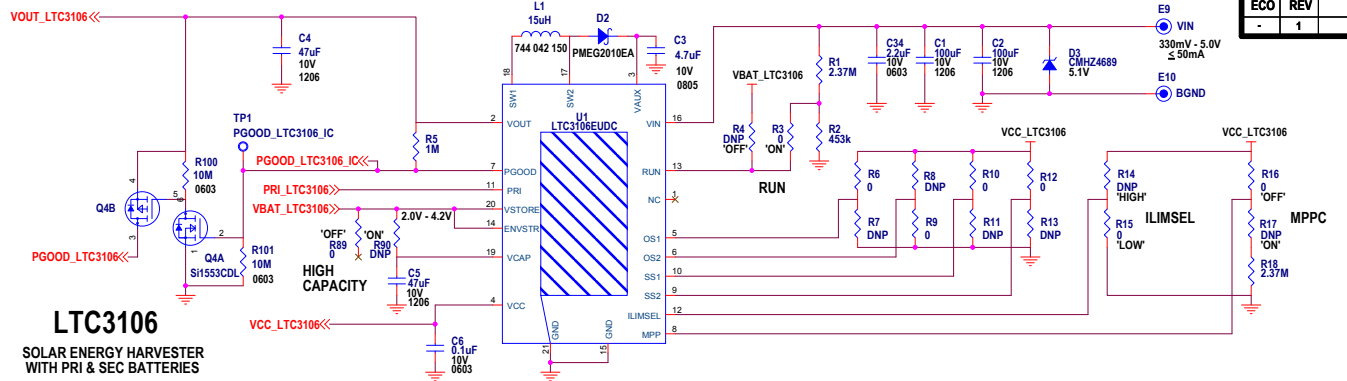


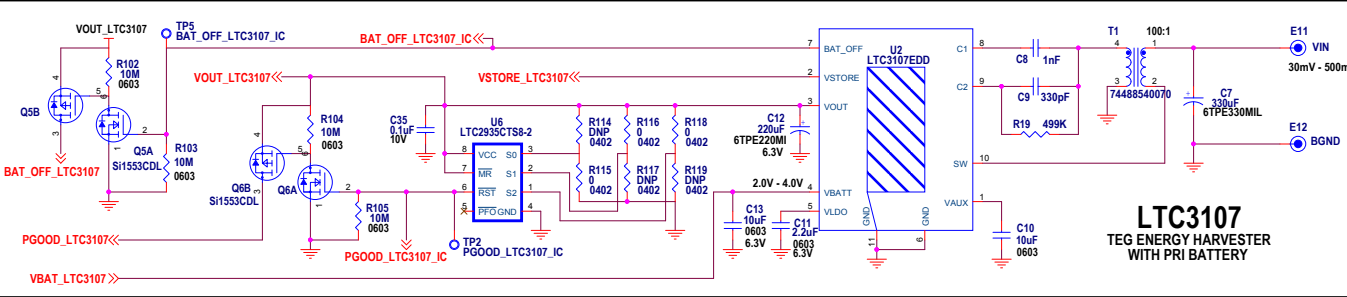
ECO	REV	DESCRIPTION	APPROVED	DATE
-	1	PRODUCTION	ZP	12-8-15



LTC3106
SOLAR ENERGY HARVESTER
WITH PRI & SEC BATTERIES

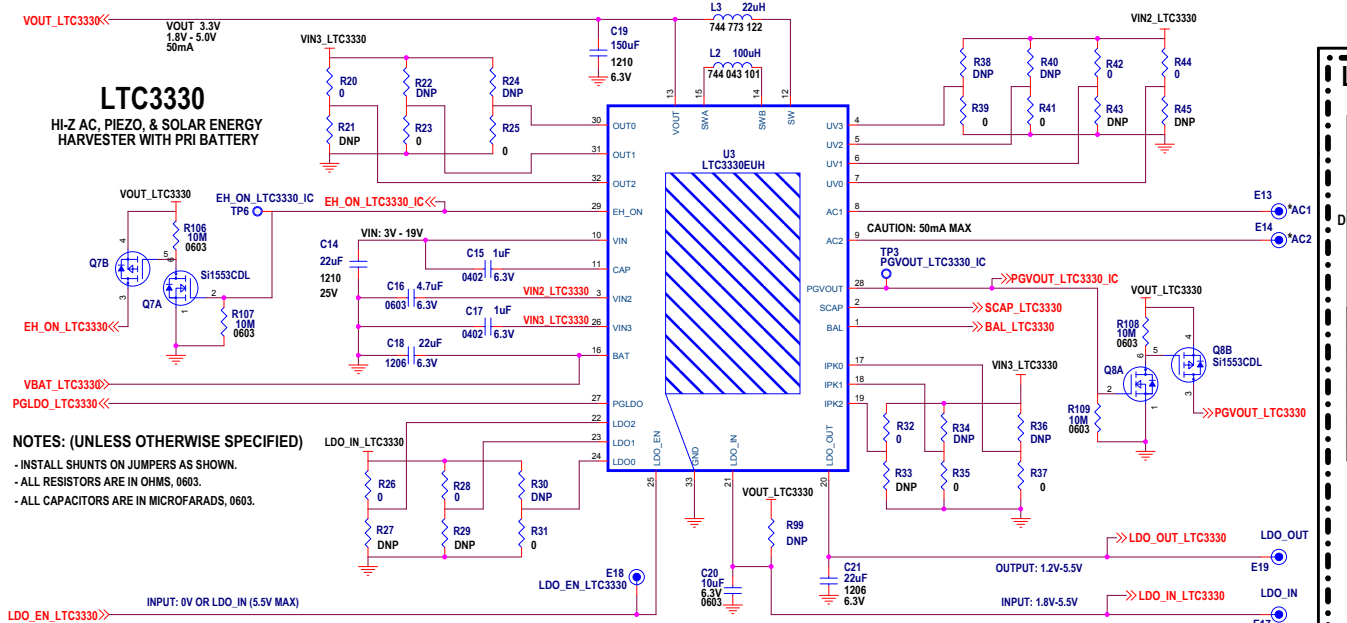
LTC3106		
VOUT JUMPER CONFIGURATION		
OS1	OS2	VOUT
0	0	1.8V
0	1	3.0V
1	0	3.3V
1	1	5.0V

VSTORE JUMPER CONFIGURATION		
SS1	SS2	VSTORE
0	0	2.07V
0	1	2.9V
1	0	3.015V
1	1	4.0V



LTC3107
TEG ENERGY HARVESTER
WITH PRI BATTERY

LTC3107		
LTC2935-2 PGOOD SELECTION (SEE LTC2935-2 THRESHOLD SELECTION TABLE ON PAGE 1)		
DEFAULT: S0 = 0, S1 = 1, S2 = 1 FALLING = 2.7V, RISING = 2.85V		



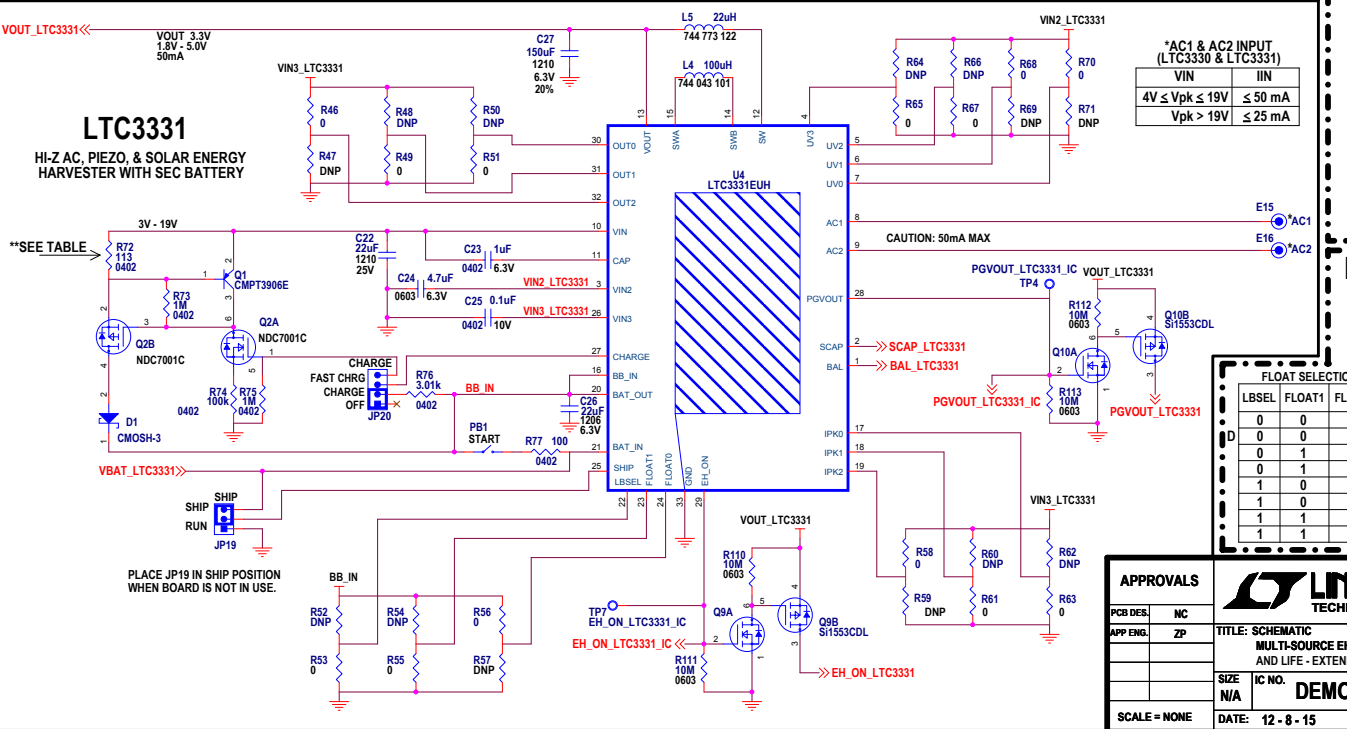
LTC3330
HI-Z AC, PIEZO, & SOLAR ENERGY
HARVESTER WITH PRI BATTERY

NOTES: (UNLESS OTHERWISE SPECIFIED)
- INSTALL SHUNTS ON JUMPERS AS SHOWN.
- ALL RESISTORS ARE IN OHMS, 0603.
- ALL CAPACITORS ARE IN MICROFARADS, 0603.

LTC3330

LDO VOLTAGE SELECTION

LD02	LD01	LD00	LDO OUT
0	0	0	1.2V
0	0	1	1.5V
0	1	0	1.8V
0	1	1	2.0V
1	0	0	2.5V
1	0	1	3.0V
1	1	0	3.3V
1	1	1	= LDO_IN



LTC3331
HI-Z AC, PIEZO, & SOLAR ENERGY
HARVESTER WITH SEC BATTERY

**SEE TABLE

*AC1 & AC2 INPUT (LTC3330 & LTC3331)	
VIN	IIN
4V ≤ Vpk ≤ 19V	≤ 50 mA
Vpk > 19V	≤ 25 mA

LTC3330 and LTC3331

UVLO SELECTION						
UV3	UV2	UV1	UV0	UVLO RISING	UVLO FALLING	
D	0	0	0	4V	3V	
	0	0	0	1	5V	4V
	0	0	1	0	6V	5V
	0	0	1	1	7V	6V
	0	1	0	0	8V	7V
	0	1	0	1	8V	5V
	0	1	1	0	10V	9V
	0	1	1	1	10V	5V
	1	0	0	0	12V	11V
	1	0	0	1	12V	5V
	1	0	1	0	14V	13V
	1	0	1	1	14V	5V
	1	1	0	0	16V	15V
	1	1	0	1	16V	5V
	1	1	1	0	18V	17V
	1	1	1	1	18V	5V

ILM SELECTION INSTALL			
IPK2	IPK1	IPK0	ILIM
0	0	0	5mA
0	0	1	10mA
0	1	0	15mA
0	1	1	25mA
1	0	0	50mA
1	0	1	100mA
1	1	0	150mA
1	1	1	250mA

OUTPUT VOLTAGE SELECTION			
OUT2	OUT1	OUT0	VOUT
0	0	0	1.8V
0	0	1	2.5V
0	1	0	2.8V
0	1	1	3.0V
1	0	0	3.3V
1	0	1	3.6V
1	1	0	4.5V
1	1	1	5.0V

LTC3331		**BATTERY CHARGE CURRENT	
	R72	I_CHRG	
D	113	5mA	
	75.0	7.5mA	
	56.2	10mA	

FLOAT SELECTION AND BATTERY CONNECTION THRESHOLDS						
LBSEL	FLOAT1	FLOAT0	FLOAT	CONNECT	DISCONNECT	
0	0	0	0	3.45V	2.35V	3.0V
0	0	1	0	4.0V	3.03V	3.70V
0	1	0	0	4.1V	3.03V	3.70V
0	1	1	0	4.2V	3.03V	3.70V
1	0	0	0	3.45V	2.85V	N/A
1	0	1	0	4.0V	3.53V	N/A
1	1	0	0	4.1V	3.53V	N/A
1	1	1	0	4.2V	3.53V	N/A

APPROVALS	
PCB DES.	NC
APP ENG.	ZP

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
MULTI-SOURCE EH DEMOBOARD WITH BATTERY CHARGERS
AND LIFE - EXTENDERS FOR USE WITH DC2321A DUST DEMOBOARD

SIZE: N/A
IC NO.: **DEMO CIRCUIT 2509A**

SCALE: NONE
DATE: 12-8-15

REV. 1
SHEET 2 OF 2