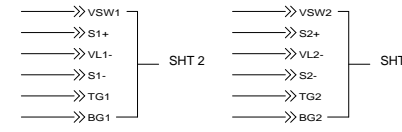
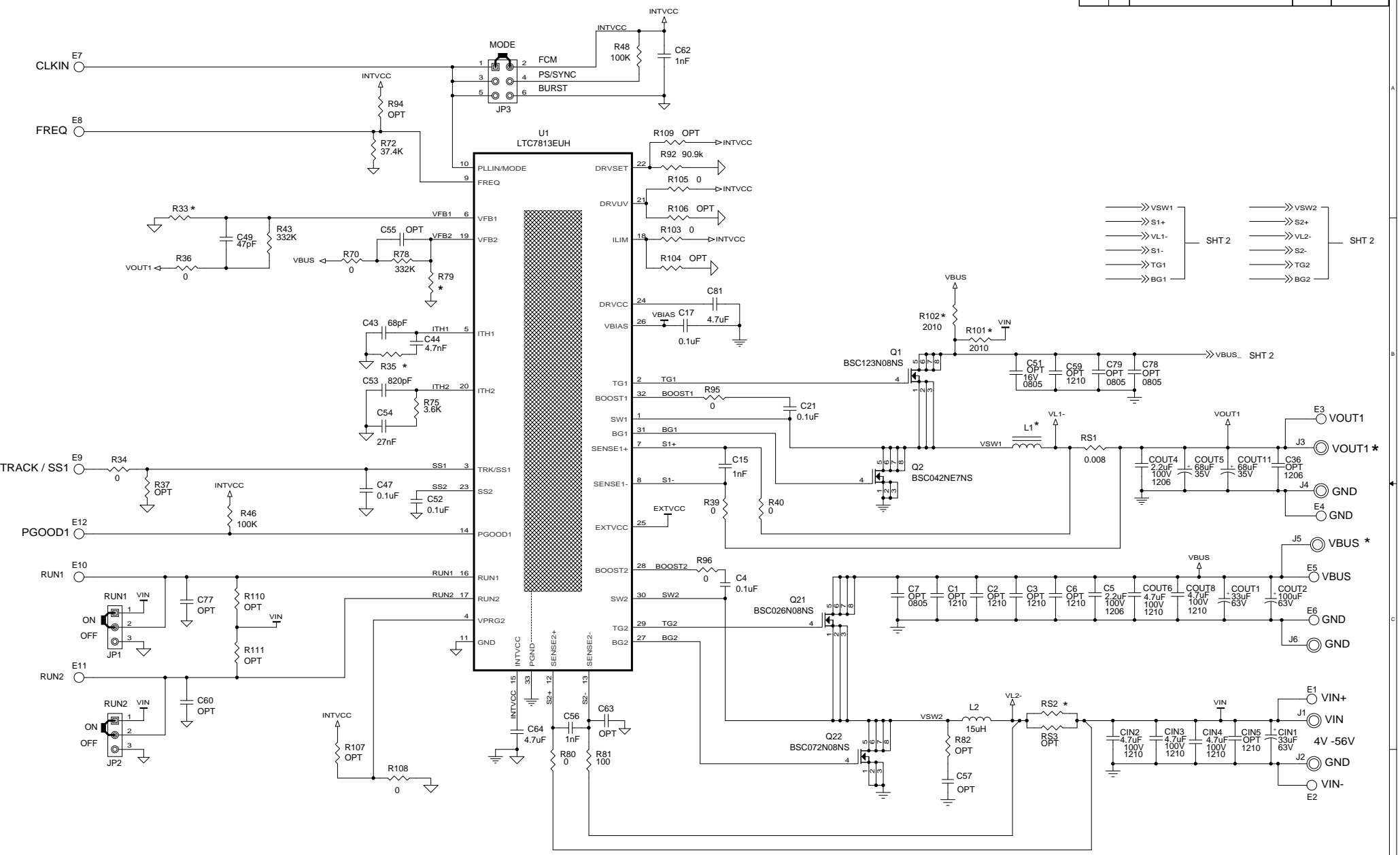


REVISION HISTORY				
ECO	REV	DESCRIPTION	DATE	APPROVED
-	2	PRODUCTION	12/10/15	DL



NOTE: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS AND CAPACITORS ARE 0603.

ASSY	VOUT1	VBUS	R79	R33	R35	R101	R102	RS2	L1
-A	24V/5A	28V	14.7K	11.5K	7.5K	OPT	0	6m	22uH
-B	28V	20V	21K	9.76K	7.5K	OPT	0	6m	22uH
-C	5V/8A	24V	17.4K	63.4K	4.99K	0	OPT	10m	10uH

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.	LT
APP ENG.	DL

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Milpitas, CA 95035
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Fax: (408)434-0507
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TITLE: SCHEMATIC
WIDE INPUT SYNCHRONOUS STEP UP/DOWN SUPPLY

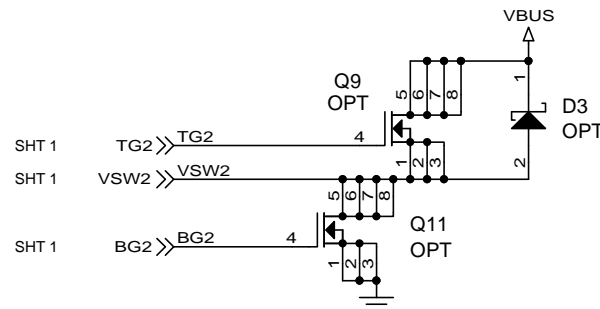
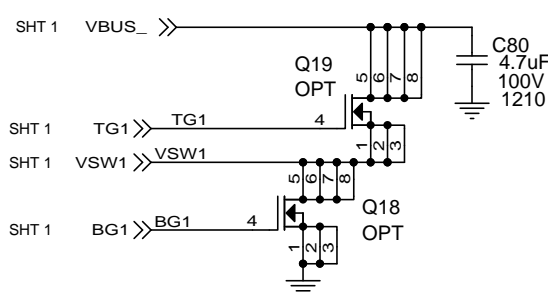
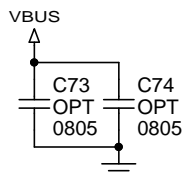
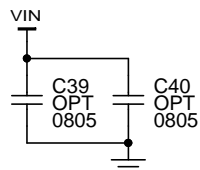
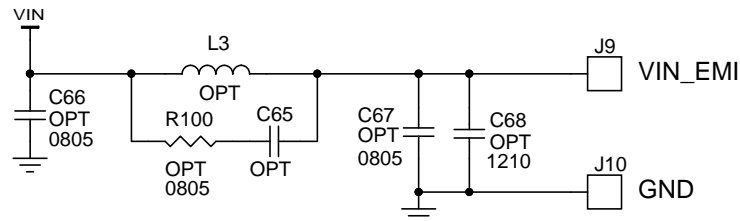
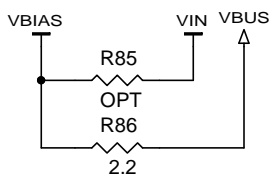
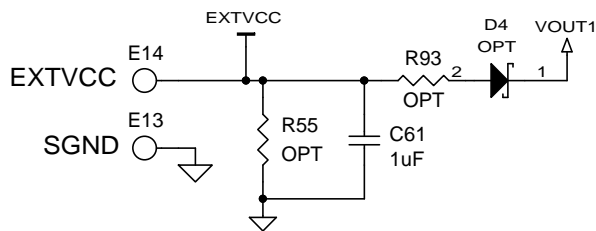
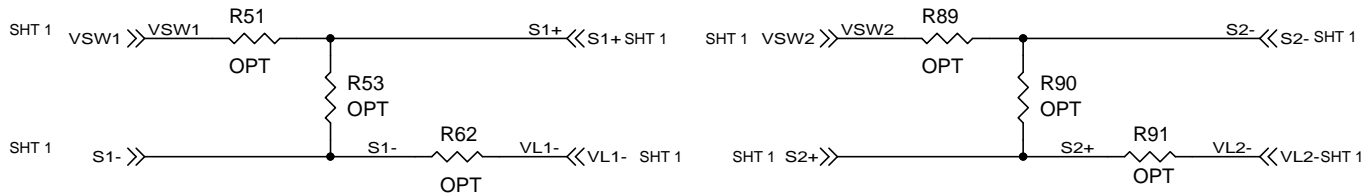
SIZE	IC NO.	REV.
N/A	LTC7813EUH	2
DATE: Thursday, December 10, 2015		SHEET 1 OF 2


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

SCALE = NONE

OPTIONAL DCR SENSING

NOTE:
 WHEN DCR SENSING IS IMPLEMENTED SHORT RS1 & RS2.
 REMOVE R30, R29, R80 & R81. STUFF R62 AND R91 WITH 0 OHMS.
 CALCULATE R51, R53 & C15 AND R89, R90 & C56 PER THE DATA SHEET.
 ALSO REFER TO QSG FOR EXAMPLE.



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		APP ENG.	DL			WIDE INPUT SYNCHRONOUS STEP UP/DOWN SUPPLY	
		THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE	SIZE N/A		
					DATE: Thursday, December 10, 2015	SHEET 2 OF 2	