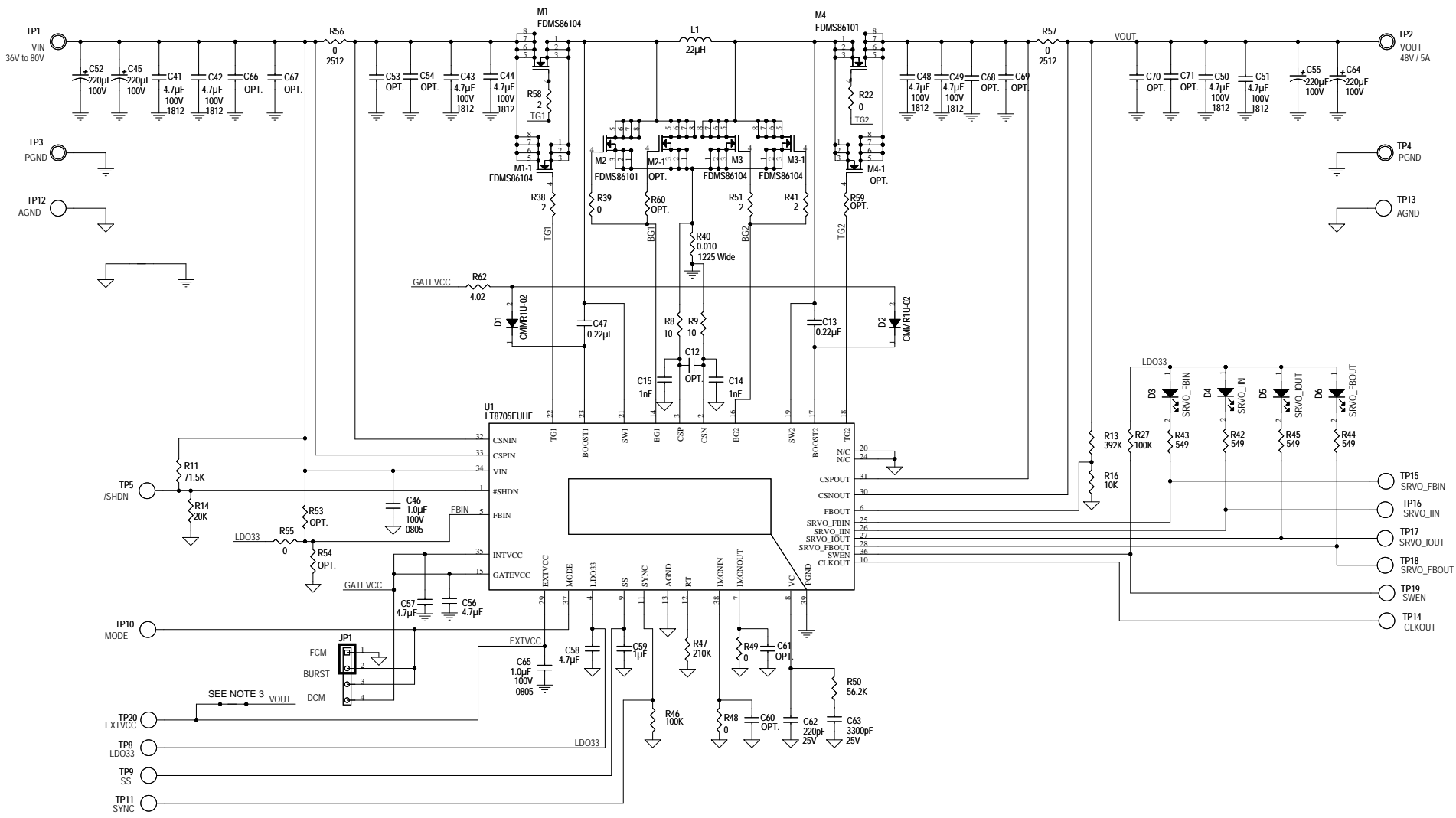



REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
—	1	PRODUCTION	MEHDI A.	11-12-12



NOTES (UNLESS OTHERWISE SPECIFIED):

- 1- ALL SMD CAPACITORS ARE 16V.
- 2- ALL SMD CAPACITORS AND RESISTORS ARE 0603.
- 3- CUT TRACE TO DISCONNECT EXTVCC FROM VOUT AND SUPPLY EXTVCC THROUGH TP20.

CUSTOMER NOTICE		APPROVALS		 <div> 1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only </div>	
<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>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		PCB DES:	S. M.		
		APP ENG:	MEHDI A.	TITLE: SCHEMATIC	
				80V / 48V Synchronous Buck-Boost Controller	
		SIZE:	N/A	IC NO.	LT8705EUHF
				DEMO CIRCUIT 1924A	
		SCALE:	NONE	DATE:	Wednesday, December 19, 2012
				SHEET	1 OF 2

BOARD STANDOFF HARDWARE

MH1



NYLON STACKING SPACER #4 0.5" NYLON STACKING SPACER #4 0.5"

MH2



MH3



NYLON STACKING SPACER #4 0.5" NYLON STACKING SPACER #4 0.5"

MH4



CUSTOMER NOTICE

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

APPROVALS

PCB DES.	S. M.
APP ENG.	MEHDI A.

SCALE = NONE



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TITLE: SCHEMATIC

80V / 48V Synchronous Buck-Boost Controller

SIZE N/A	IC NO. LT8705EUHF DEMO CIRCUIT 1924A	REV. 1
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DATE: Monday, November 12, 2012

SHEET 2 OF 2