

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.

CONTRACT NO.

APPROVALS

DATE

DRAWN Dave Clemans 08-13-13

CHECKED

APPROVED

ENGINEER Dave Clemans 08-13-13

DESIGNER

Tuesday, August 13, 2013



1630 McCarthy Blvd.
Milpitas, CA 95035
Phone: (408)432-1900
Fax: (408)434-0507

TITLE

8 OUTPUT POWER SUPPLY

SIZE

CAGE CODE

DWG NO

DC1361B

REV

B

SCALE:

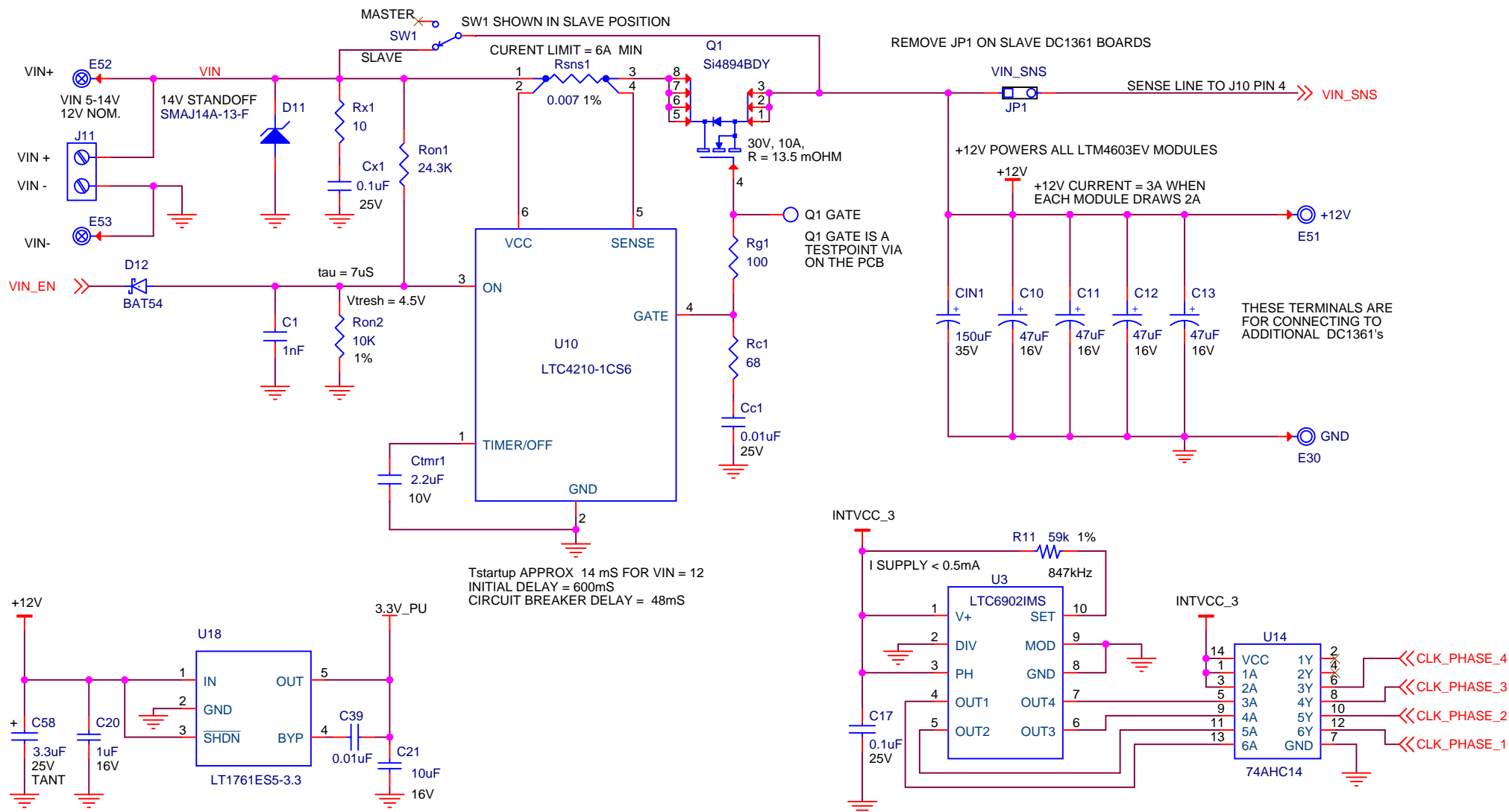
FILENAME:

SHEET

1

OF

10



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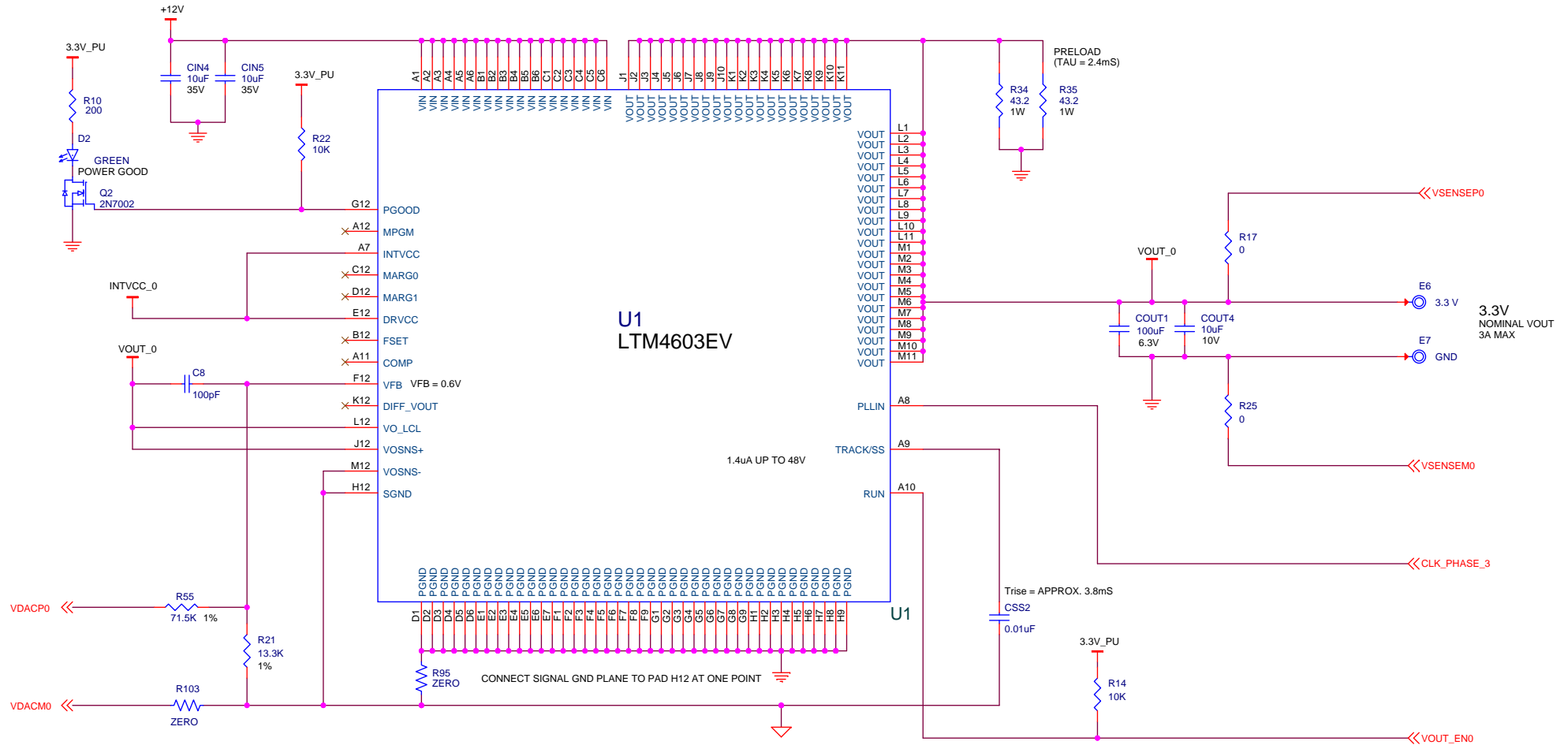
FILENAME:

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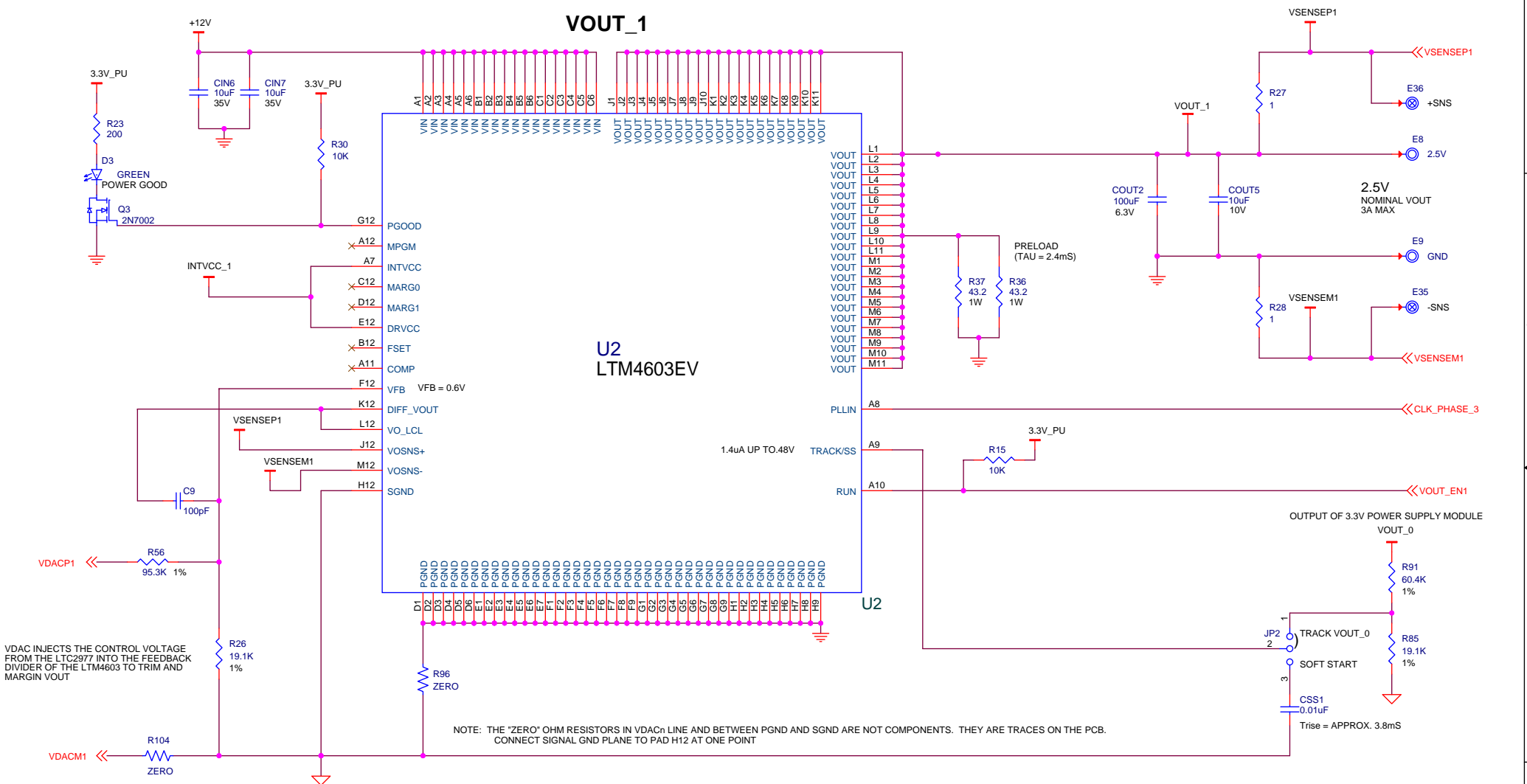
10



VDAC INJECTS THE CONTROL VOLTAGE FROM THE LTC2977 INTO THE FEEDBACK DIVIDER OF THE LTM4603 TO TRIM AND MARGIN VOUT

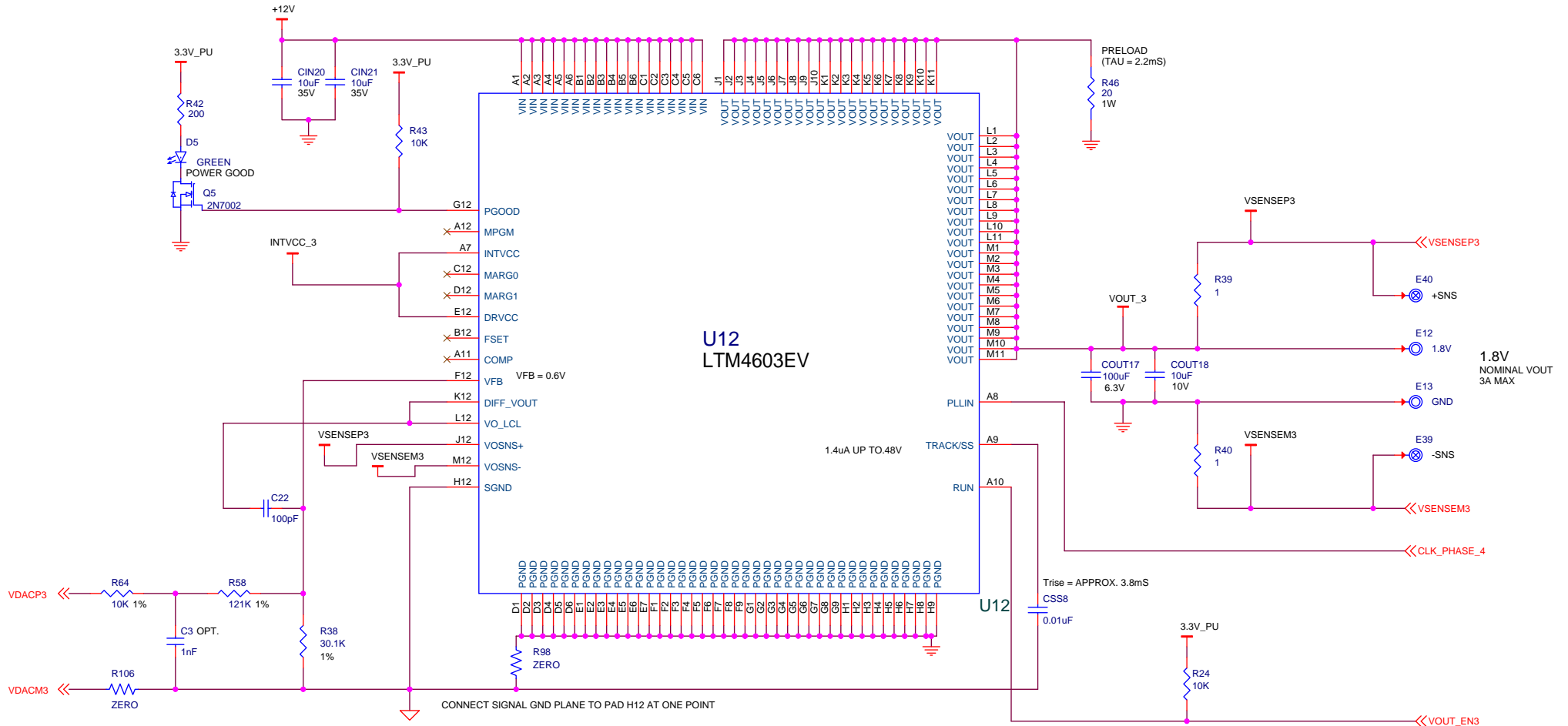
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SCALE:	FILENAME:	SHEET 3 OF 10
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		APPROVED				
		ENGINEER Dave Clemans	08-13-13	SIZE		DWG NO
		DESIGNER				DC1361B
		Tuesday, September 17, 2013		SCALE:	FILENAME:	SHEET 4 OF 10

VOUT_3



NOTE: THE "ZERO" OHM RESISTORS IN VDACPn LINE AND BETWEEN PGND AND SGND ARE NOT COMPONENTS. THEY ARE TRACES ON THE PCB.

VDAC injects the control voltage from the LTC2977 into the feedback divider of the LTM4603 to trim and margin VOUT

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DESIGNER	

Tuesday, September 17, 2013



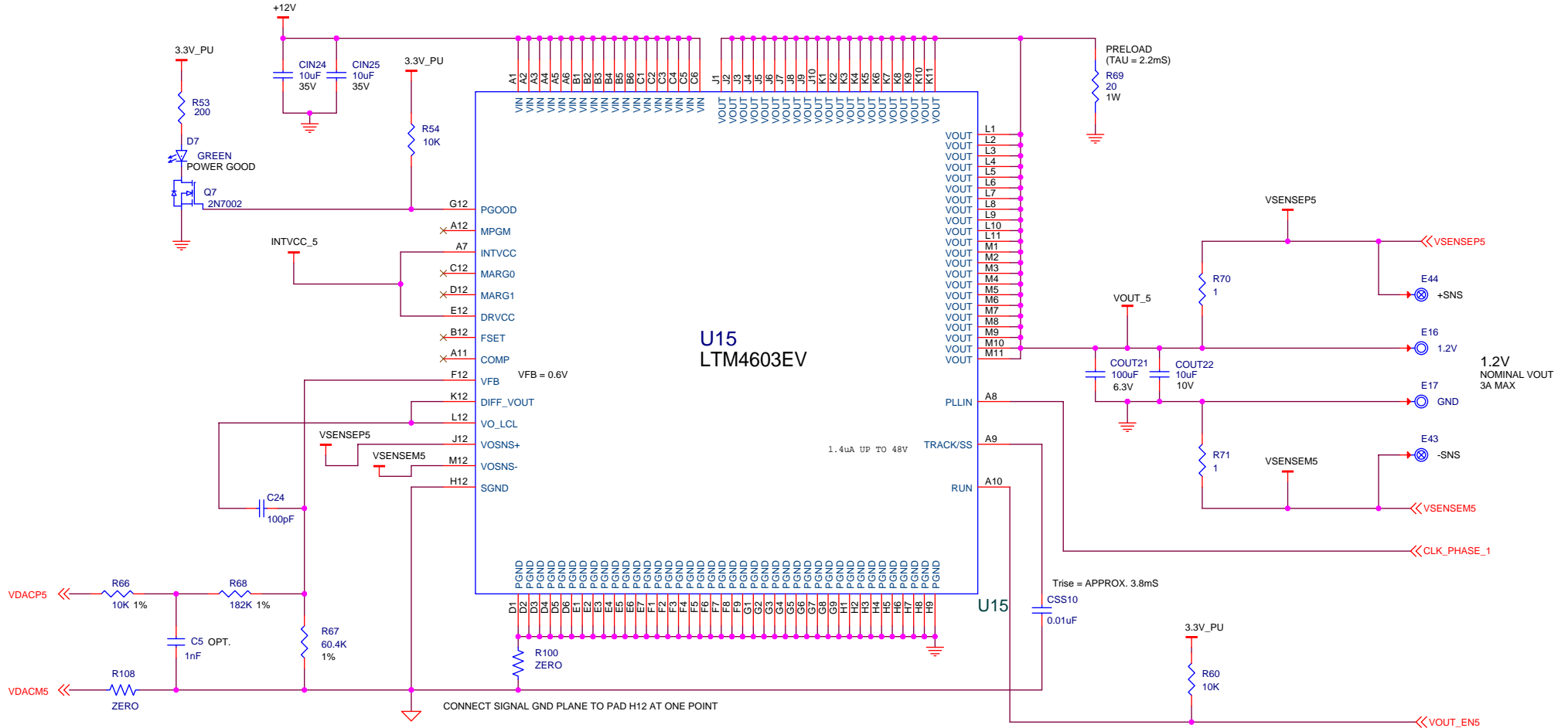
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VOUT_5



NOTE: THE "ZERO" OHM RESISTORS IN VDACn LINE AND BETWEEN PGND AND SGND ARE NOT COMPONENTS. THEY ARE TRACES ON THE PCB.

VDAC injects the control voltage from the LTC2977 into the feedback divider of the LTM4603 to trim and margin VOUT

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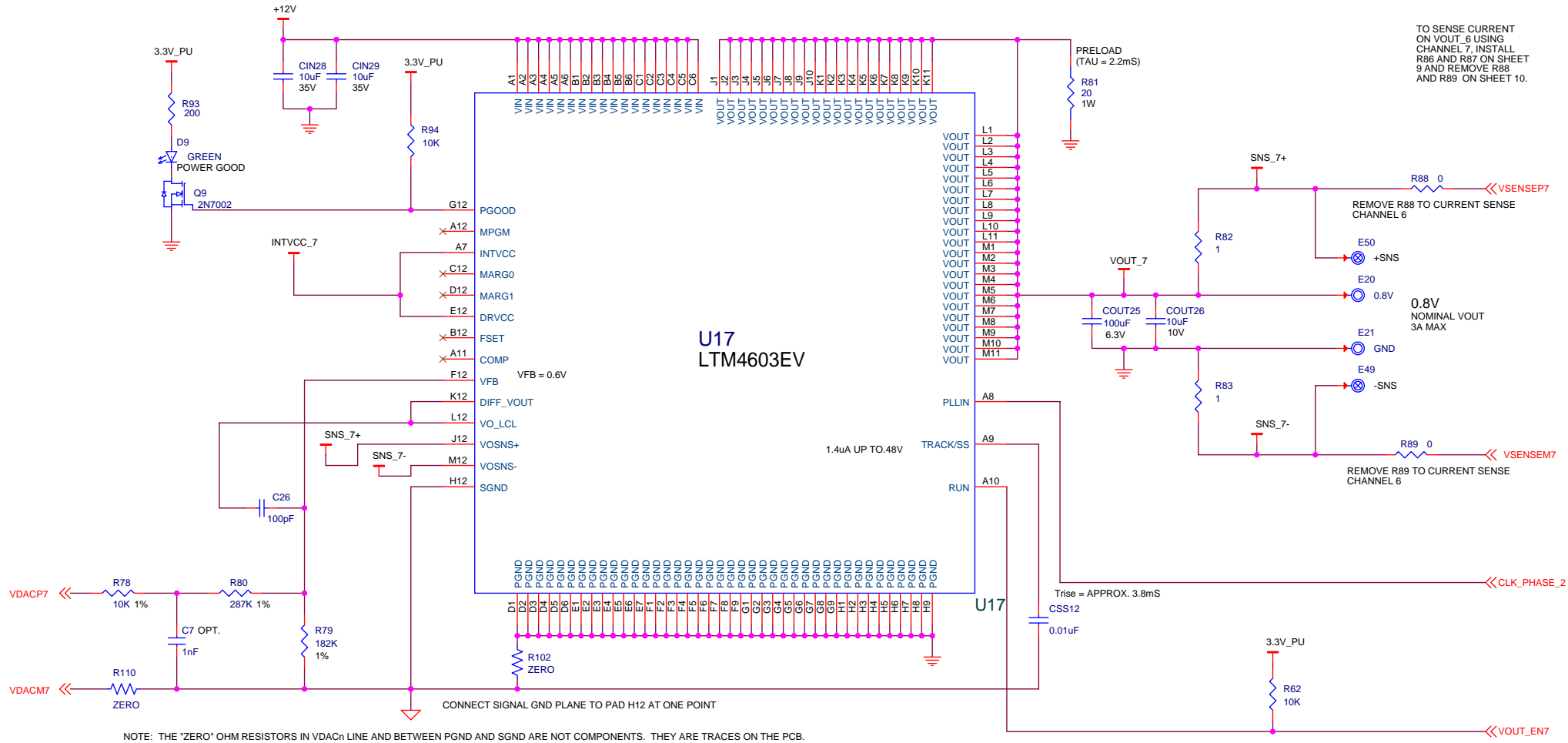
REV
B

SCALE:

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SHEET 8 OF 10

VOUT_7



TO SENSE CURRENT ON VOUT_6 USING CHANNEL 7, INSTALL R86 AND R87 ON SHEET 9 AND REMOVE R88 AND R89 ON SHEET 10.

REMOVE R88 TO CURRENT SENSE CHANNEL 6

0.8V NOMINAL VOUT 3A MAX

REMOVE R89 TO CURRENT SENSE CHANNEL 6

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