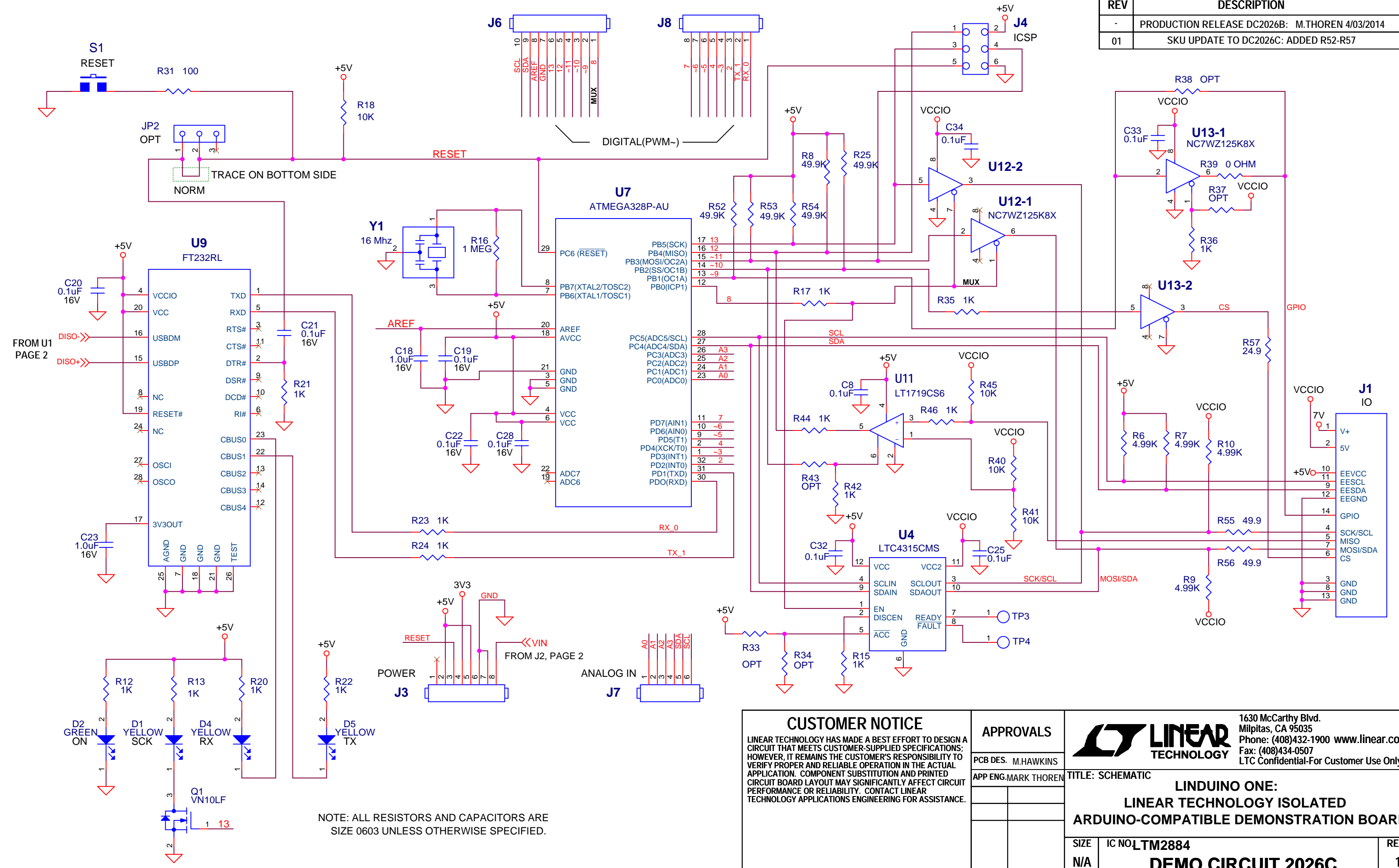


REVISION HISTORY	
REV	DESCRIPTION
-	PRODUCTION RELEASE DC2026B: M.THOREN 4/03/2014
01	SKU UPDATE TO DC2026C: ADDED R52-R57



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

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.	M.HAWKINS
APP ENG.	MARK THOREN
SCALE	NONE

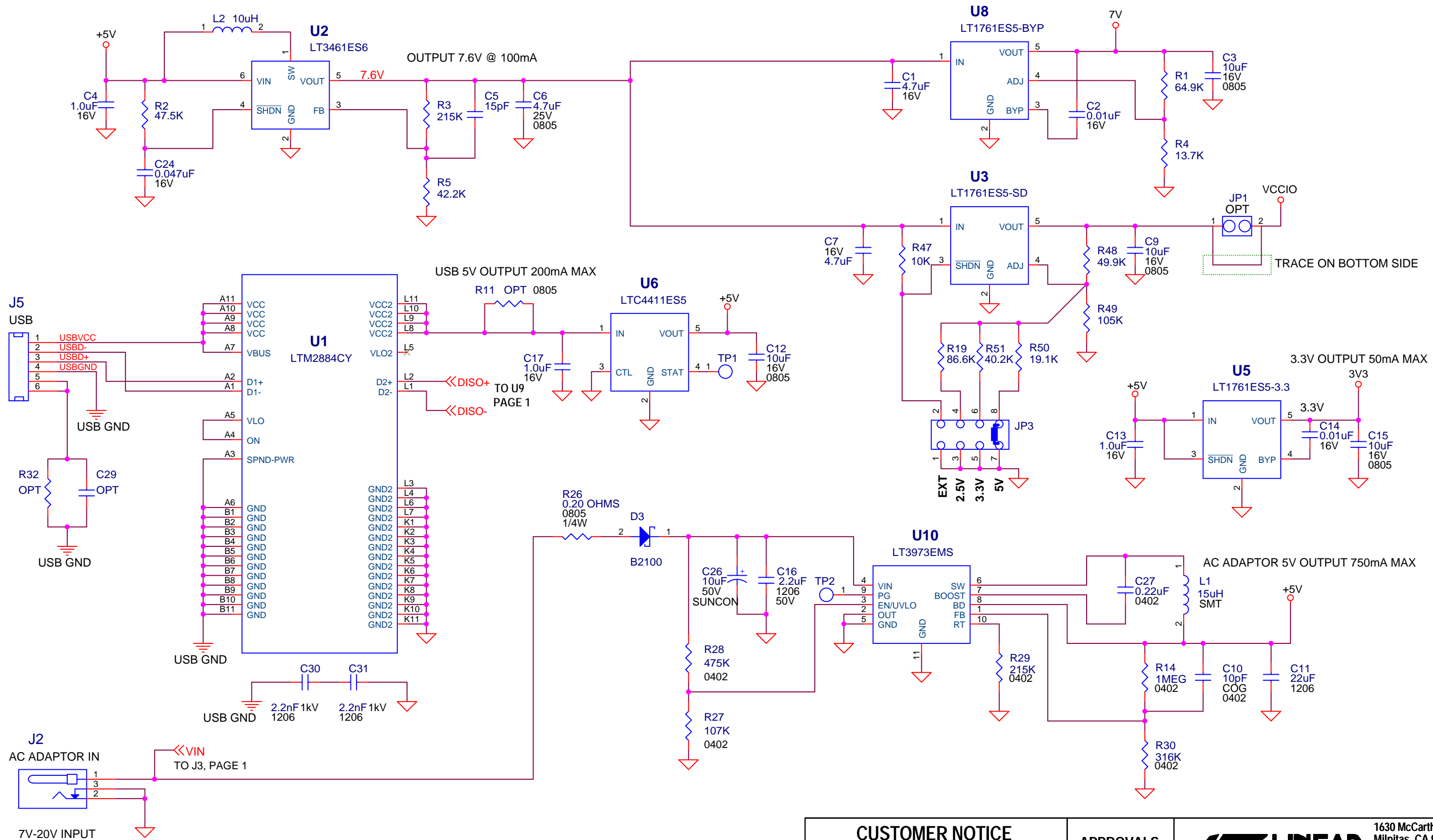
LINEAR TECHNOLOGY
 1630 McCarthy Blvd.
 Milpitas, CA 95035
 Phone: (408)432-1900 www.linear.com
 Fax: (408)434-0507
 LTC Confidential-For Customer Use Only

TITLE: SCHEMATIC
**LINDUINO ONE:
 LINEAR TECHNOLOGY ISOLATED
 ARDUINO-COMPATIBLE DEMONSTRATION BOARD**

SIZE	IC NO. LTM2884	REV.
N/A	DEMO CIRCUIT 2026C	1

DATE: 05/29/2015 SHEET 1 OF 2

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



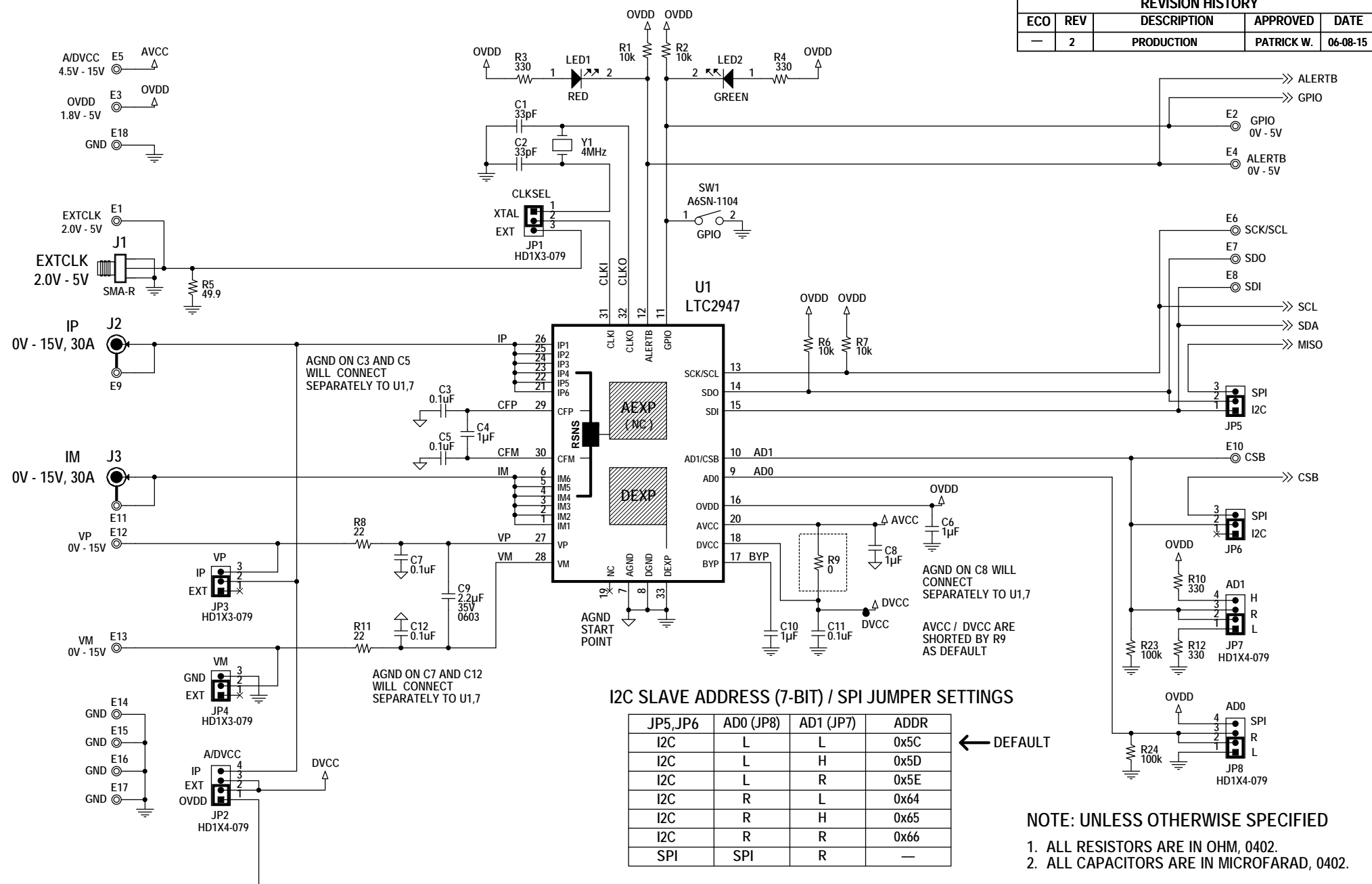
PCB MECHANICAL PARTS

MP1	BUMPER, ADHESIVE-BACKED
MP2	BUMPER, ADHESIVE-BACKED
MP3	BUMPER, ADHESIVE-BACKED
MP4	BUMPER, ADHESIVE-BACKED

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

<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>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>PCB DES. M.HAWKINS</p> <p>APP ENG. MARK THOREN</p>			<p>TITLE: SCHEMATIC</p> <p>LINDUINO ONE: LINEAR TECHNOLOGY ISOLATED ARDUINO-COMPATIBLE DEMONSTRATION BOARD</p>
<p>THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.</p>		<p>SCALE = NONE</p>	<p>DATE: 05/29/2015</p>	<p>SIZE N/A</p> <p>IC NO. LTM2884</p> <p>DEMO CIRCUIT 2026C</p>	<p>REV. 1</p>
			<p>SHEET 2 OF 2</p>		

REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	2	PRODUCTION	PATRICK W.	06-08-15



I2C SLAVE ADDRESS (7-BIT) / SPI JUMPER SETTINGS

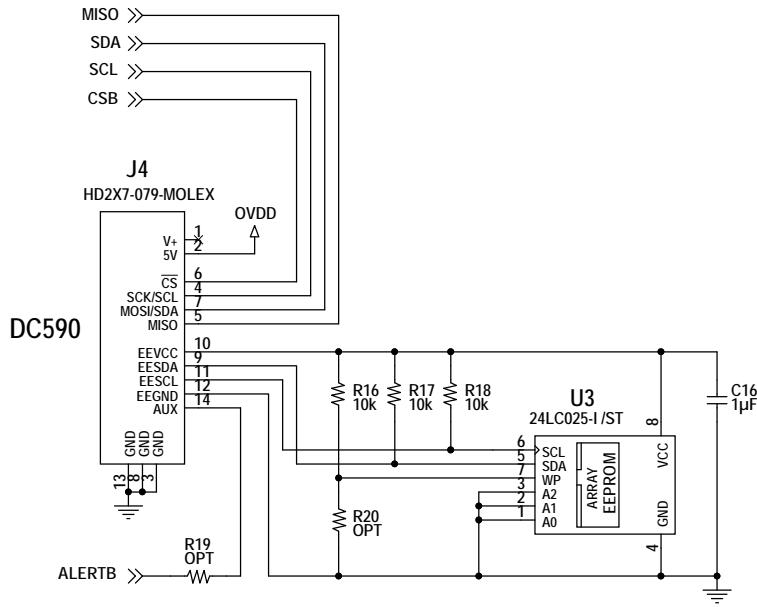
JP5,JP6	AD0 (JP8)	AD1 (JP7)	ADDR
I2C	L	L	0x5C ← DEFAULT
I2C	L	H	0x5D
I2C	L	R	0x5E
I2C	R	L	0x64
I2C	R	H	0x65
I2C	R	R	0x66
SPI	SPI	R	—

NOTE: UNLESS OTHERWISE SPECIFIED
 1. ALL RESISTORS ARE IN OHM, 0402.
 2. ALL CAPACITORS ARE IN MICROFARAD, 0402.

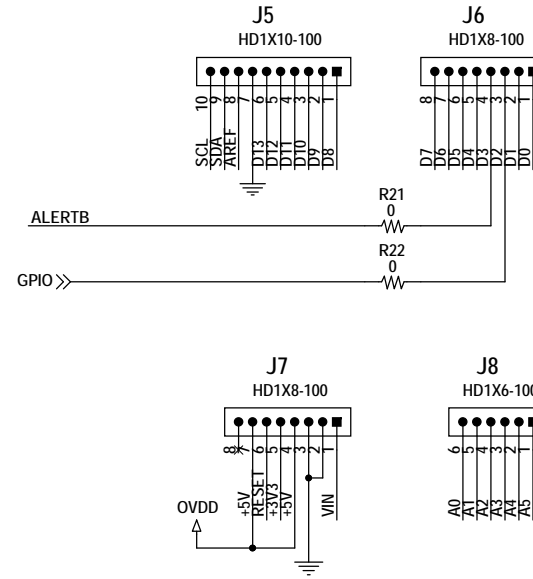
THIS LDO SERVES AS A CURRENT LIMITING / PROTECTED CONNECTION BETWEEN OVDV AND AVCC / DVCC. IT ISN'T NECESSARY TO OPERATE THE LTC2947 BUT EASES THE USAGE OF THE DEMO BOARD. SEE DEMO BOARD'S USER GUIDE FOR DETAILS.

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. KIM T. APP ENG. PATRICK W.		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 I2C/SPI POWER ENERGY METER WITH LEAD-FRAME SENSE RESISTOR			
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		SCALE = NONE		SIZE N/A IC NO. LTC2947IUFE REV. 2 DEMO CIRCUIT 2334A	
DATE: Monday, June 08, 2015		SHEET 1		OF 2	

QUICK EVAL DEMO ONLY



LINDUINO SHIELD (I2C ONLY)



CUSTOMER NOTICE

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

APPROVALS

PCB DES. KIM T.

APP ENG. PATRICK W.

SCALE = NONE



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TITLE: SCHEMATIC
**I2C/SPI POWER ENERGY METER
WITH LEAD-FRAME SENSE RESISTOR**

SIZE N/A	IC NO. LTC2947IUFE DEMO CIRCUIT 2334A	REV. 2
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DATE: Wednesday, June 03, 2015

SHEET 2 OF 2