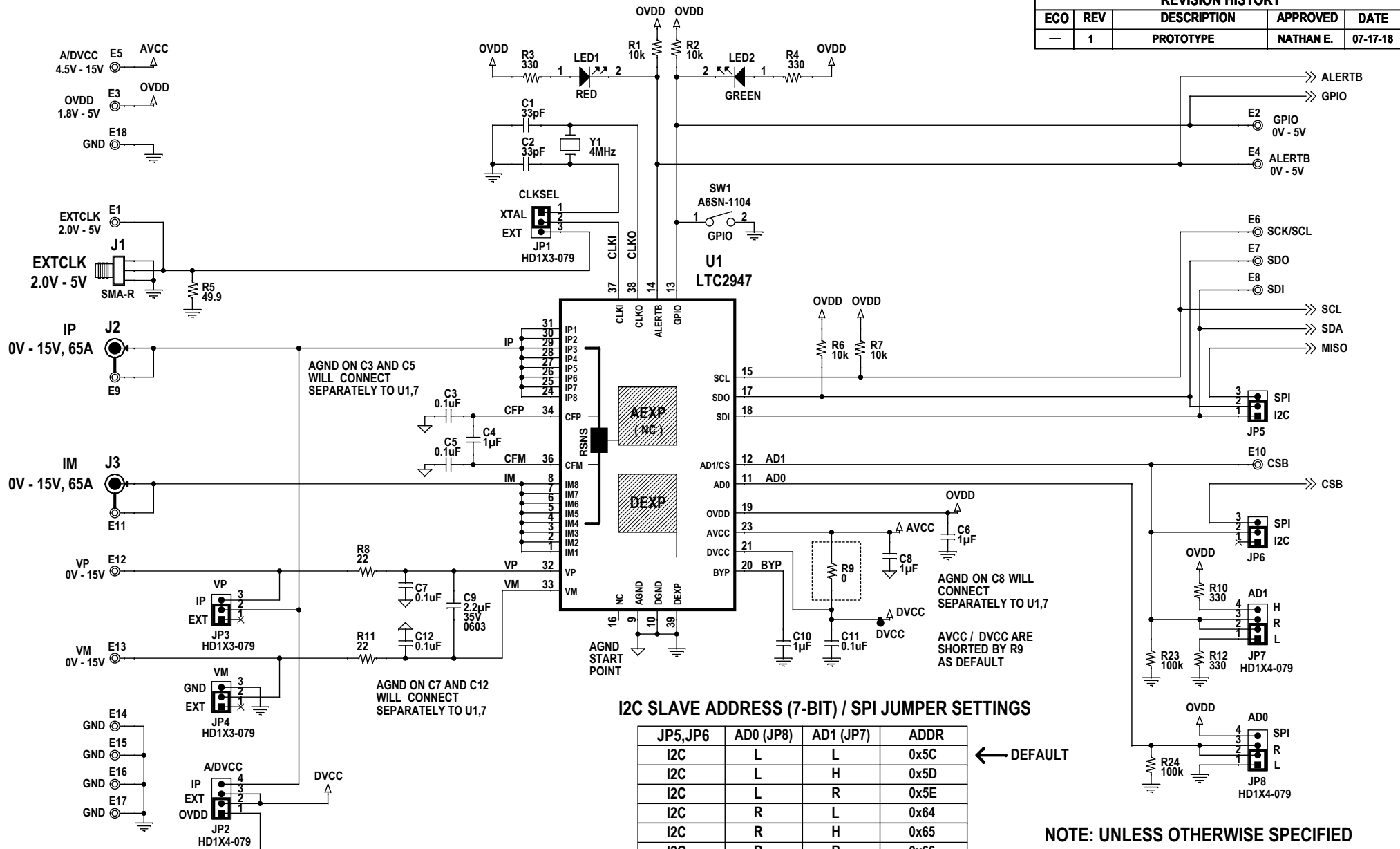


REVISION HISTORY				
ECO	REV	DESCRIPTION	APPROVED	DATE
-	1	PROTOTYPE	NATHAN E.	07-17-18

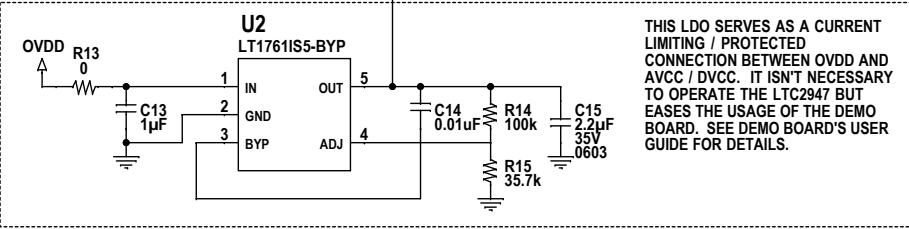


**I2C SLAVE ADDRESS (7-BIT) / SPI JUMPER SETTINGS**

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

← DEFAULT

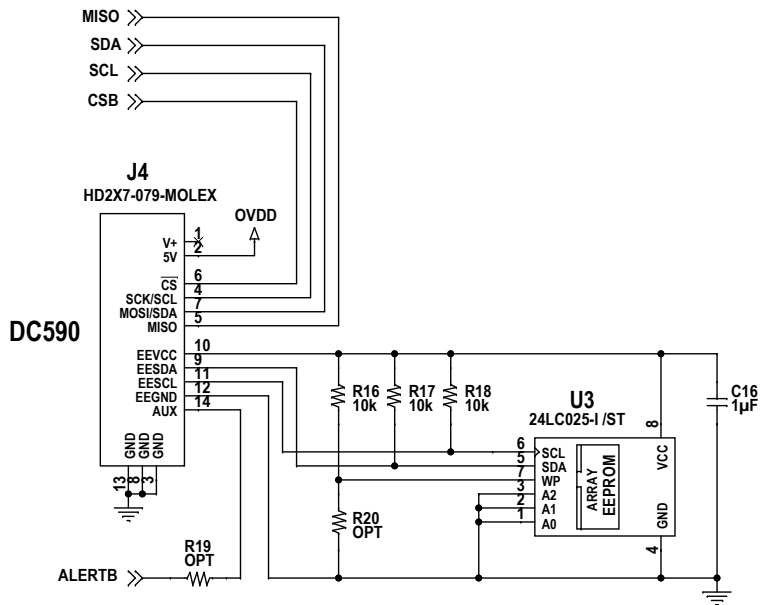
**NOTE: UNLESS OTHERWISE SPECIFIED**  
 1. ALL RESISTORS ARE IN OHM, 0402.  
 2. ALL CAPACITORS ARE IN MICROFARAD, 0402.



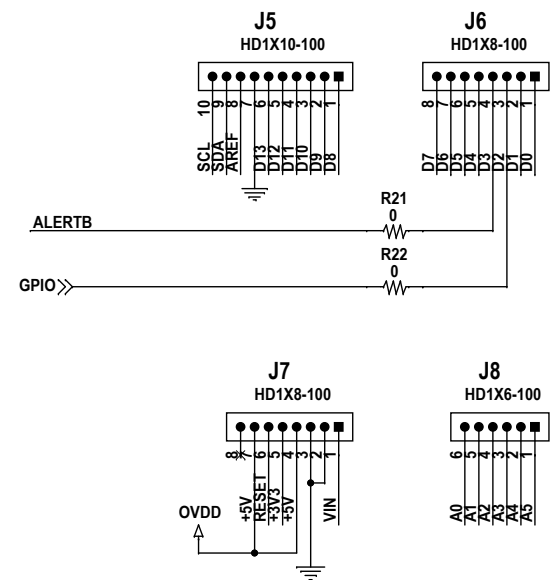
THIS LDO SERVES AS A CURRENT LIMITING / PROTECTED CONNECTION BETWEEN OVDD AND AVCC / DVCC. IT ISN'T NECESSARY TO OPERATE THE LTC2947 BUT EASES THE USAGE OF THE DEMO BOARD. SEE DEMO BOARD'S USER GUIDE FOR DETAILS.

CUSTOMER NOTICE		APPROVALS		LINEAR TECHNOLOGY	
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.		PCB DES.	SEAN M.	1630 McCarthy Blvd. Milpitas, CA 95035 Phone: (408)432-1900 www.linear.com Fax: (408)434-0507 LTC Confidential-For Customer Use Only	
		APP ENG.	NATHAN E.	TITLE: SCHEMATIC <b>I2C/SPI POWER ENERGY METER WITH LEAD-FRAME SENSE RESISTOR</b>	
		SCALE = NONE		SIZE N/A	IC NO. <b>LTC2947-65 DEMO CIRCUIT 2826A</b>
THIS CIRCUIT IS PROPRIETARY TO LINEAR TECHNOLOGY AND SUPPLIED FOR USE WITH LINEAR TECHNOLOGY PARTS.		DATE:	Tuesday, July 17, 2018	REV. 1	SHEET 1 OF 2

## QUICK EVAL DEMO ONLY



## LINDUINO SHIELD (I2C ONLY)



### 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.

### APPROVALS

PCB DES.	SEAN M.
APP ENG.	NATHAN E.



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

SIZE N/A	IC NO. <b>LTC2947-65 DEMO CIRCUIT 2826A</b>	REV. <b>1</b>
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DATE: Tuesday, July 17, 2018 SHEET 2 OF 2