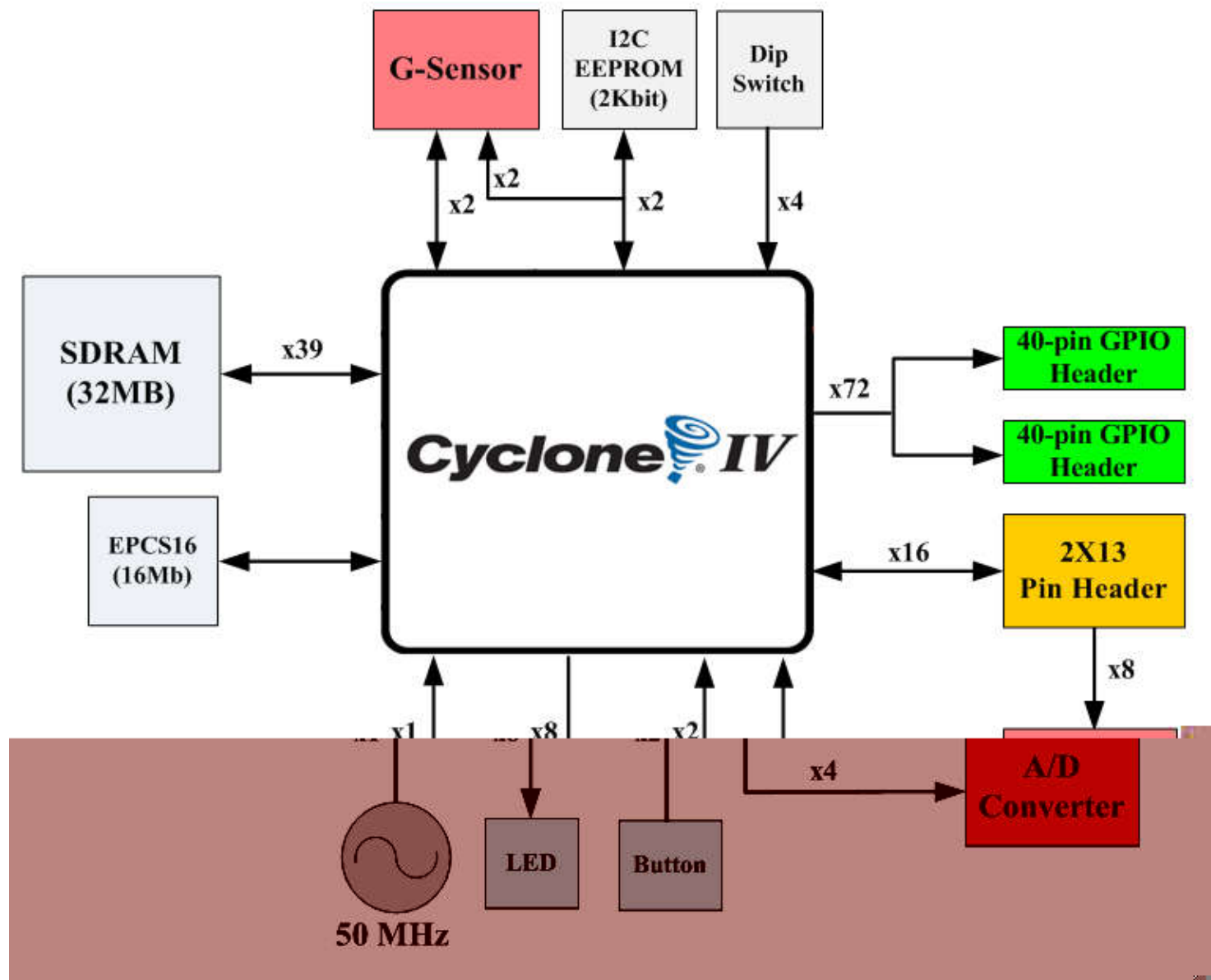


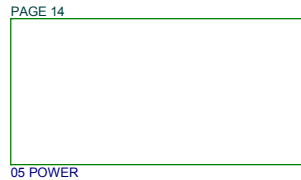
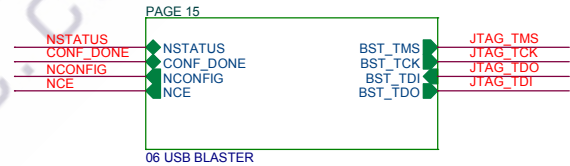
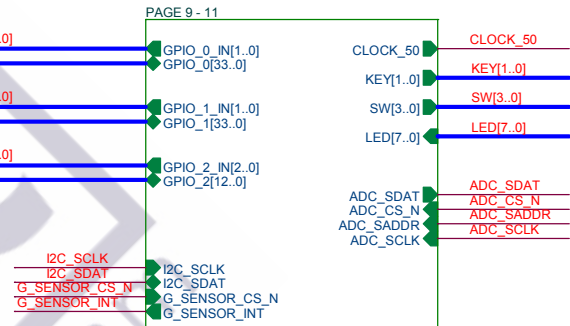
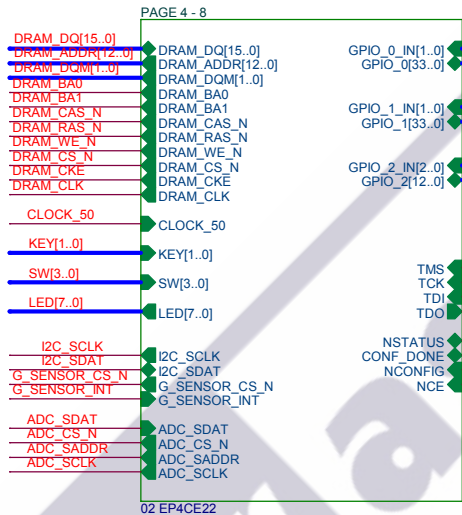
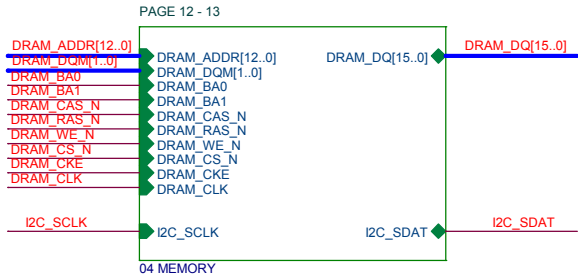
ALTERA Cyclone IV Development & Education Board (DE0-Nano)

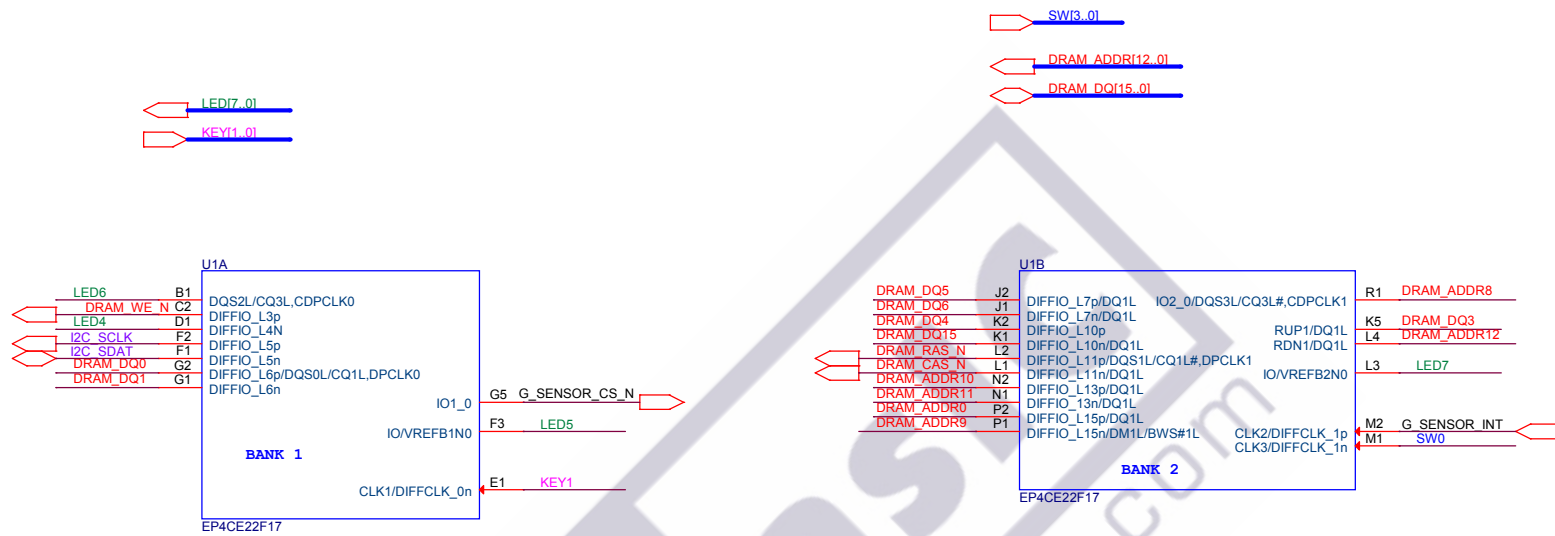
SCHEMATIC	CONTENT	PAGE
01 TOP	Cover Page, Placement, TOP	01 ~ 03
02 EP4CE22	Cyclone IV EP4CE22 BANK1..BANK8 , POWER , CONFIG	04 ~ 08
03 IN/OUT	CLOCK, LED, BUTTON, SW, GPIOs, 2X13 HEADER, G-SENSOR, ADC	09 ~ 11
04 MEMORY	SDRAM, EEPROM	12 ~ 13
05 POWER	POWER 1.2V, 2.5V, 3.3V	14
06 USB BLASTER	USB Blaster	15

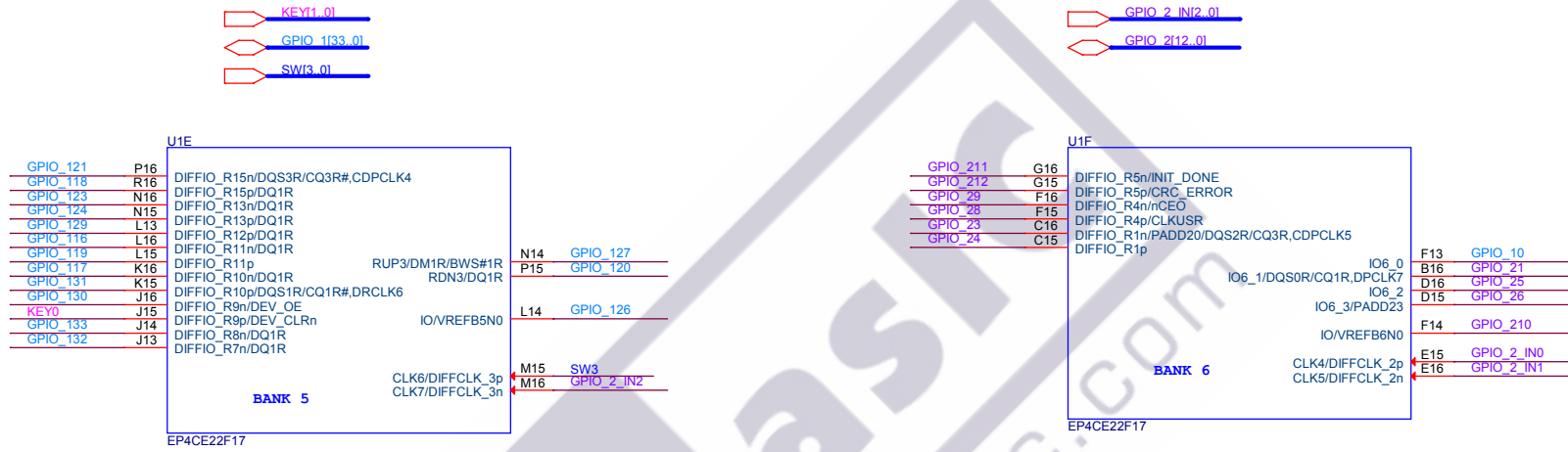
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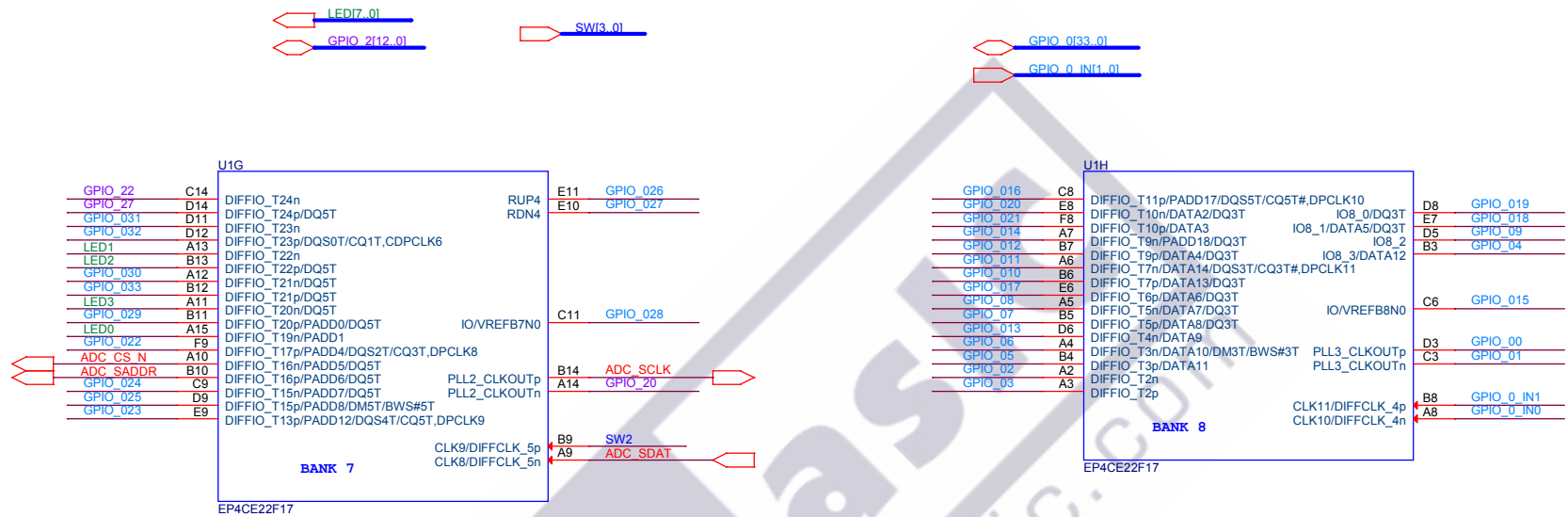
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Title DE0-Nano Board		
Size B	Document Number COVER PAGE	Rev F
Date: Monday, May 15, 2017	Sheet 1	of 15

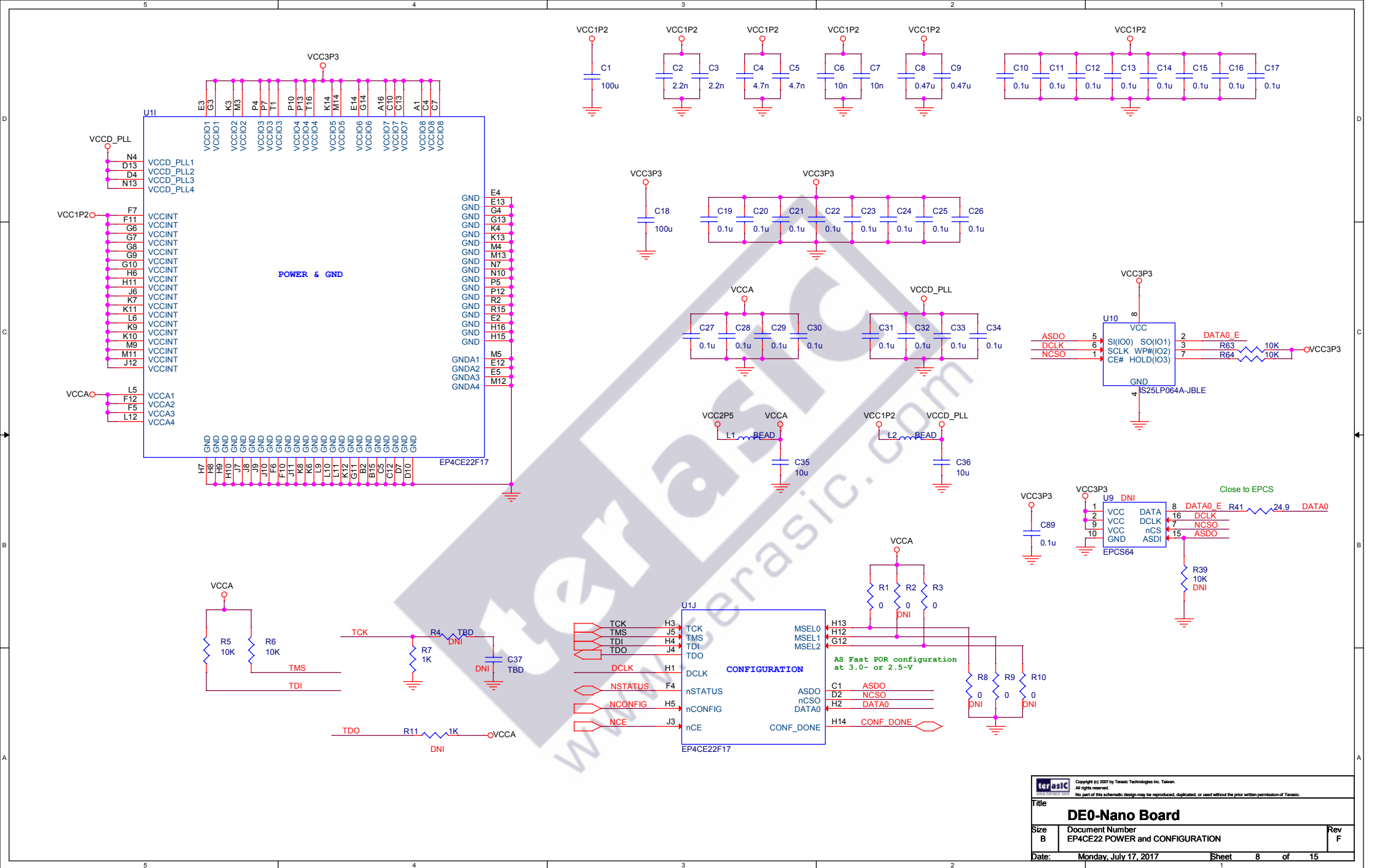


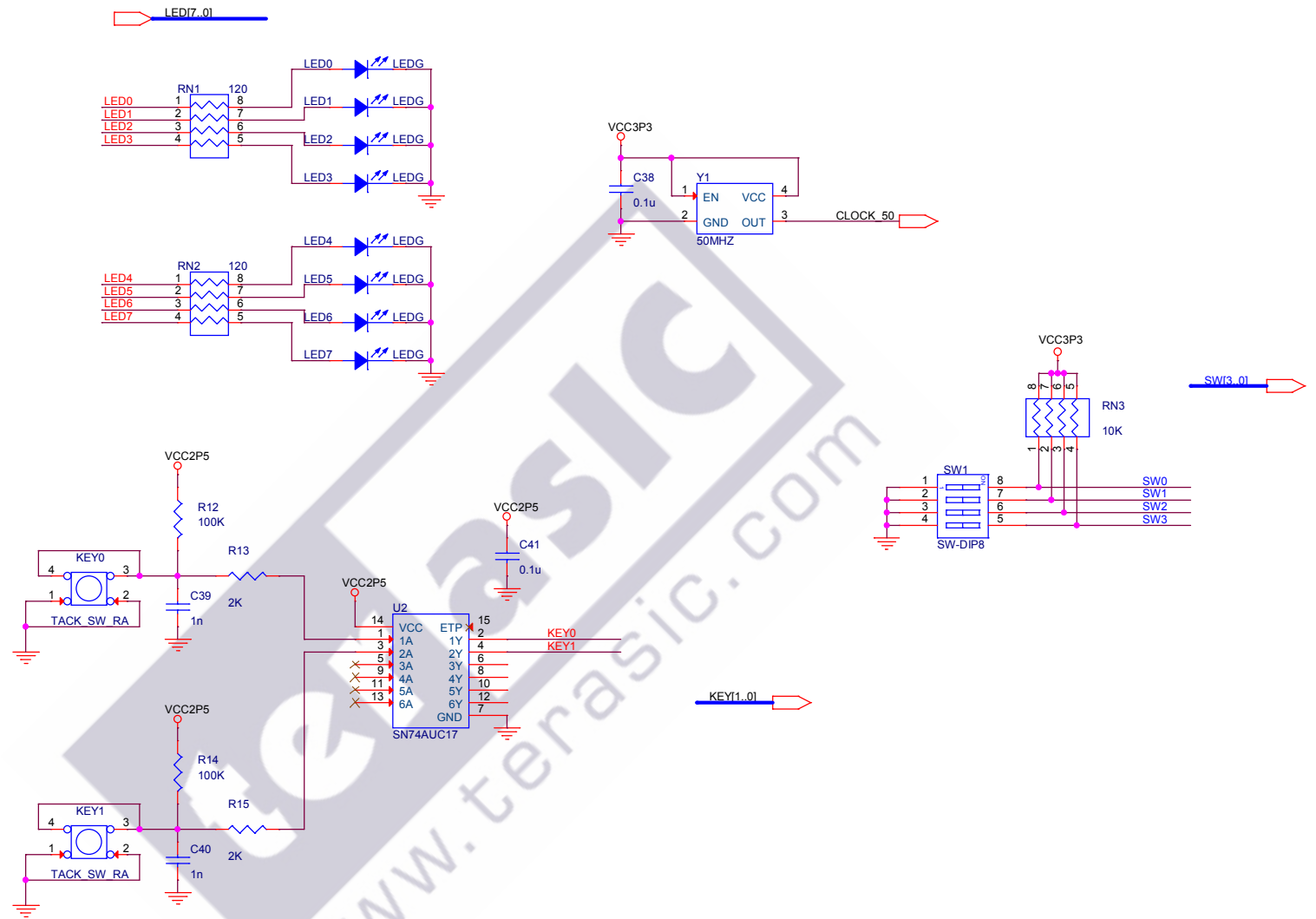




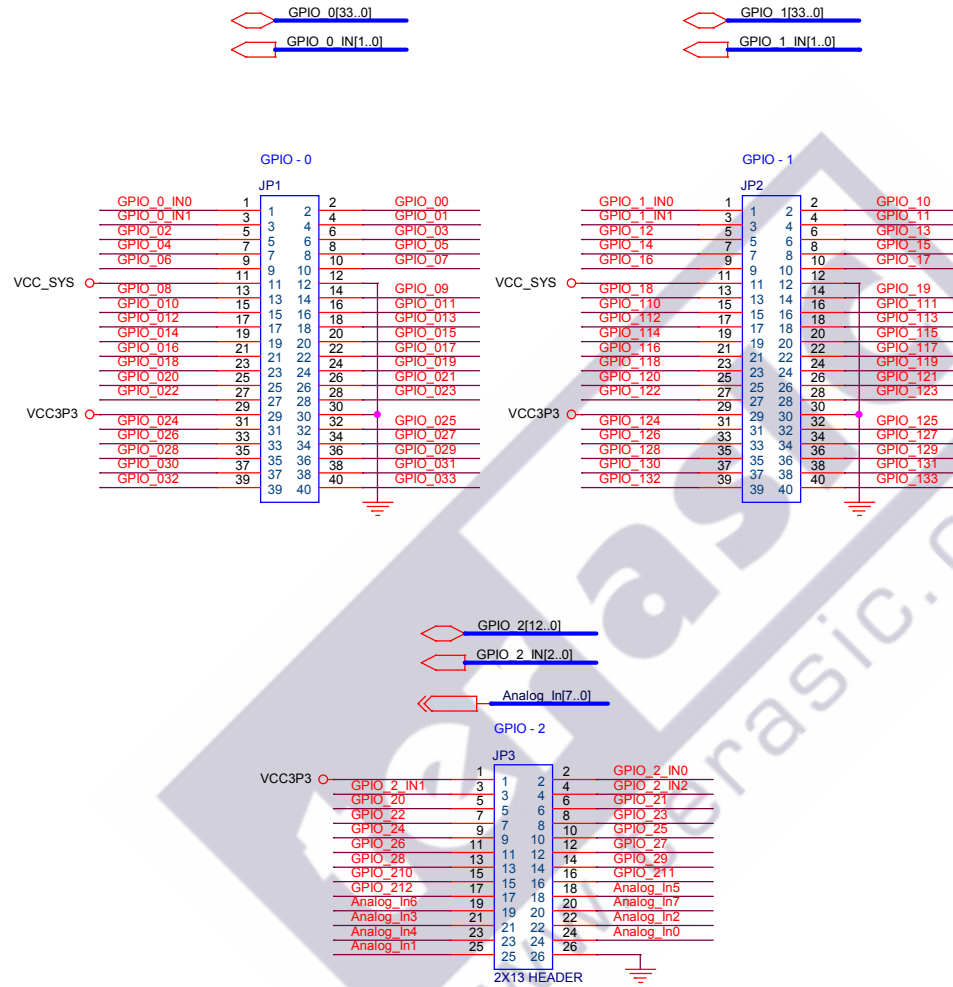






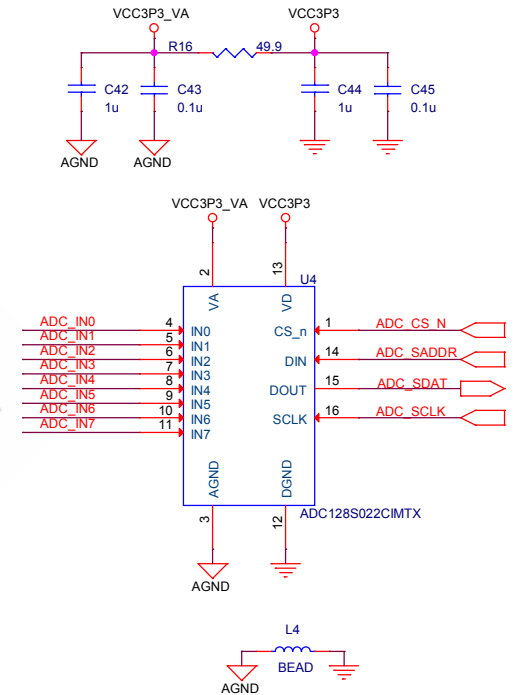



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Title		
DE0-Nano Board		
Size	Document Number	Rev
B	CLOCK & LED & BUTTON & SWITCH	F
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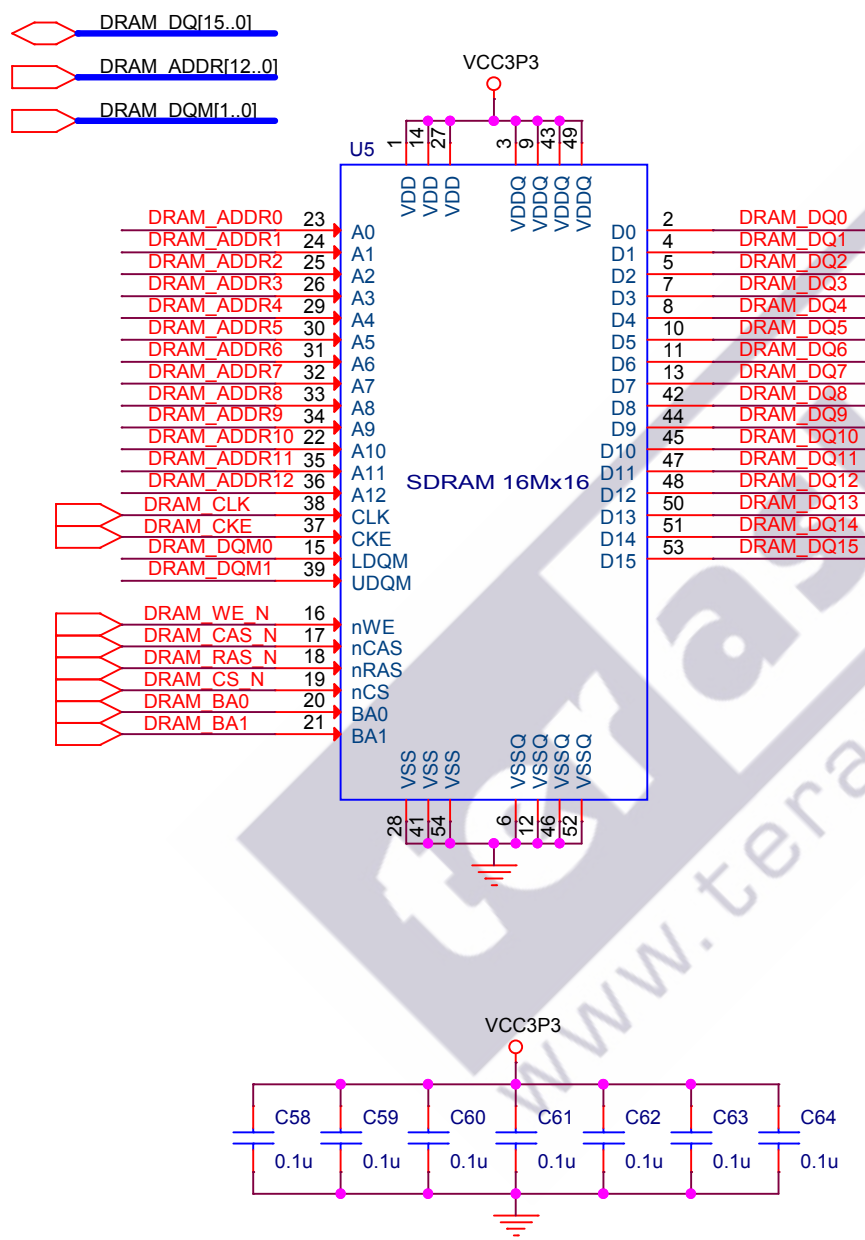


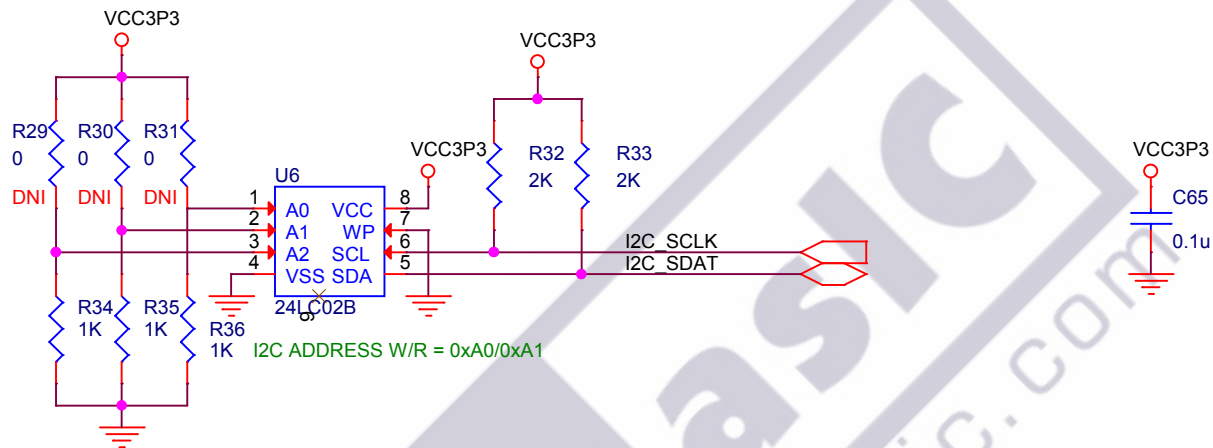
Digital Accelerometer

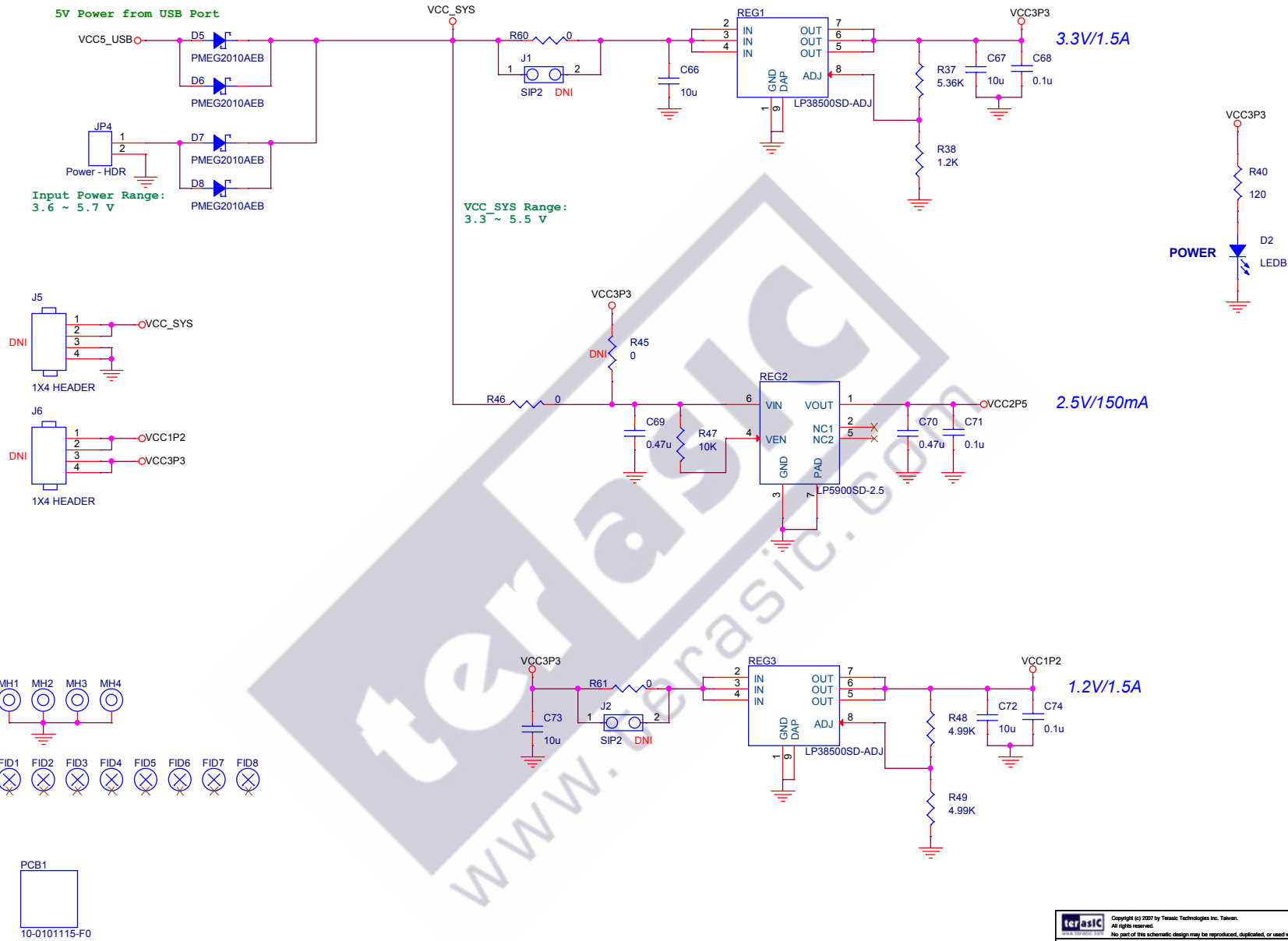
The diagram illustrates the connection of an ADXL345 digital accelerometer to an Arduino Uno. The accelerometer is connected to the Arduino's I2C pins (A4, A5) and a digital output pin (A0). The circuit includes a 2.2K pull-up resistor (R18) for VCC, a 1uF decoupling capacitor (C47) for VCC, and a 0.1uF decoupling capacitor (C49) for GND. The I2C lines are terminated with 10K resistors (R19, R21) at the Arduino end. The digital output pin is connected to a 2.2K pull-up resistor (R21) and a digital input pin (A0) on the Arduino. The Arduino is powered by a 5V regulator (U1) and a 100nF decoupling capacitor (C52). The sensor is powered by a 3.3V regulator (U2) and a 4.7uF decoupling capacitor (C53).




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PCB1
10-0101115-F0

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Title DE0-Nano Board		
Size B	Document Number 1.2V & 2.5V & 3.3V	Rev F
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