

A

B

C

D

# ADuCM4x50 WLCSP EZ-KIT Schematic

		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title		ADuCM4x50 WLCSP EZ-KIT Title	
Size C	Board No.	A0919-2016	Rev 1.1
Date	01/18/17	Sheet	1 of 10

A

B

C

D

1

1

2

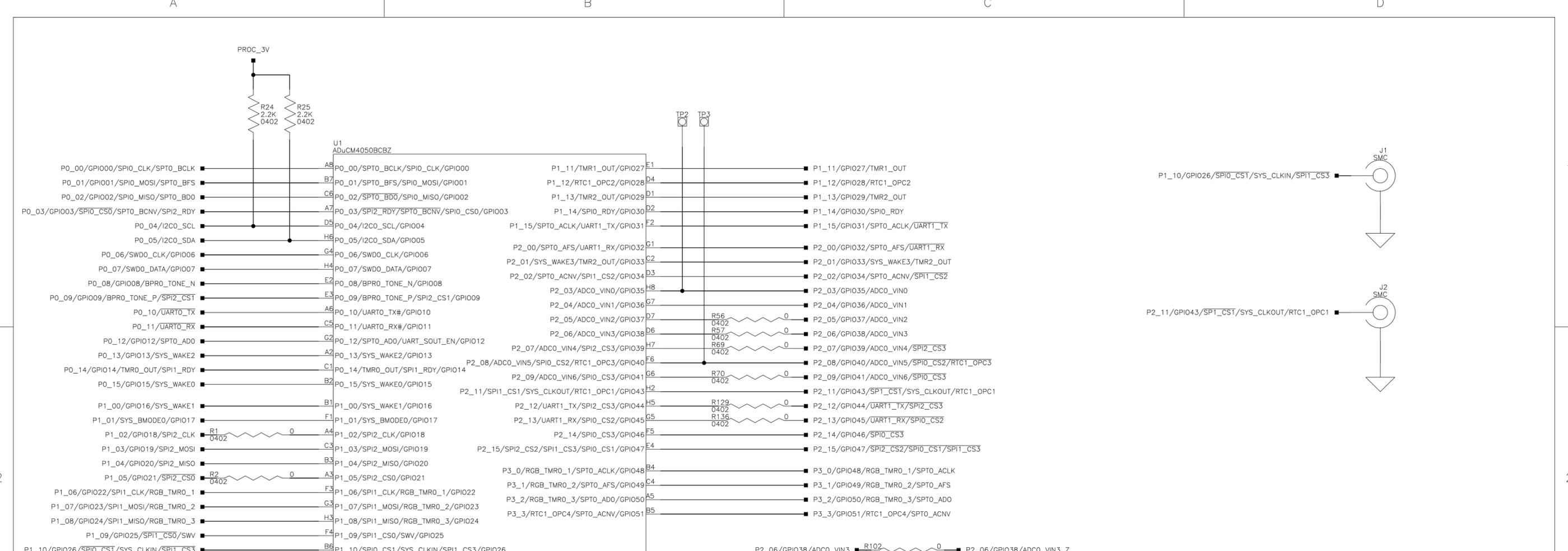
2

3

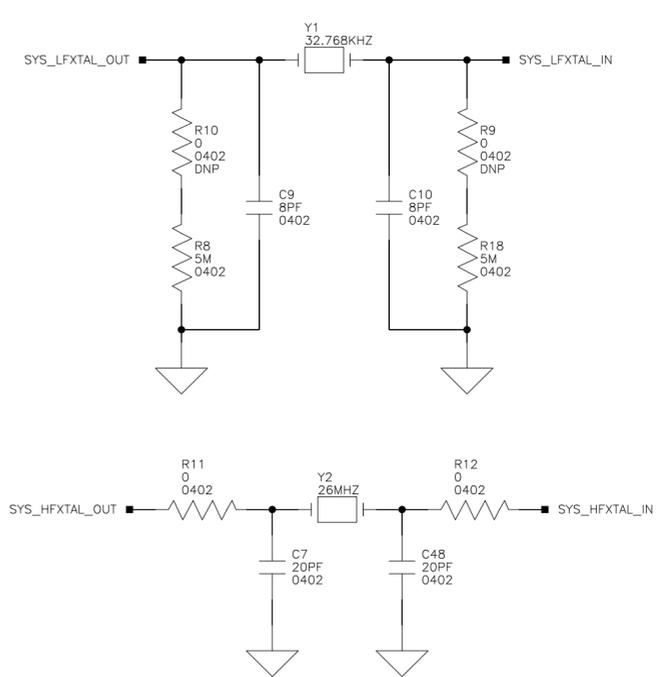
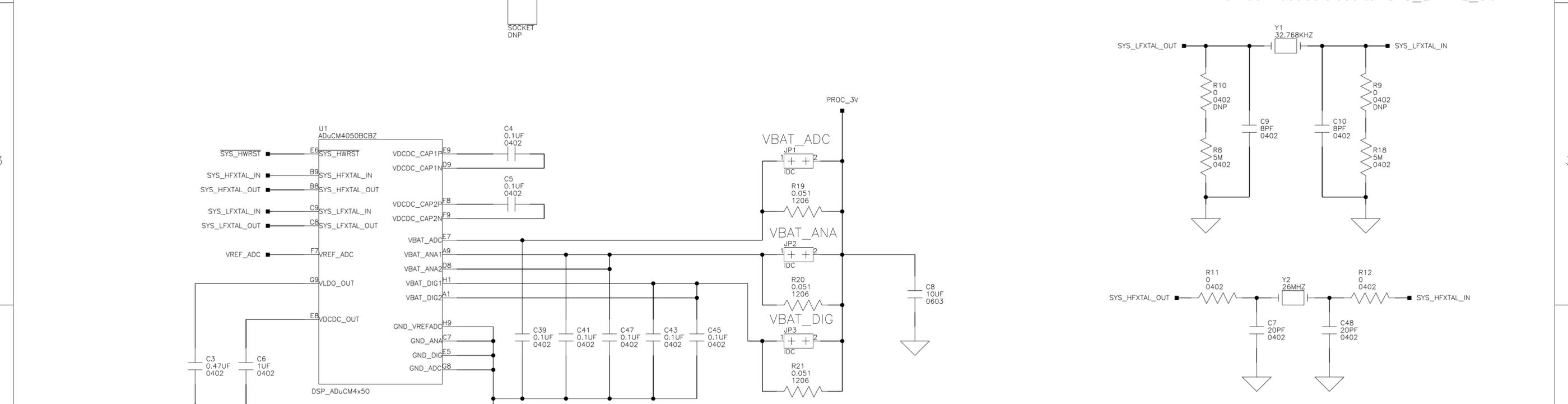
3

4

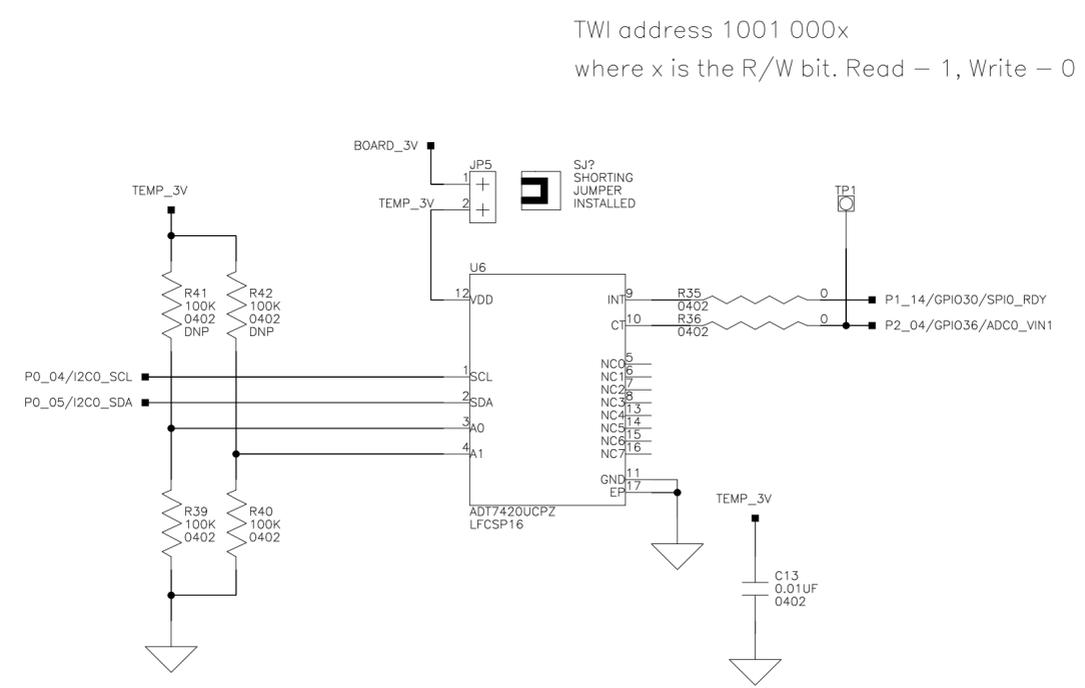
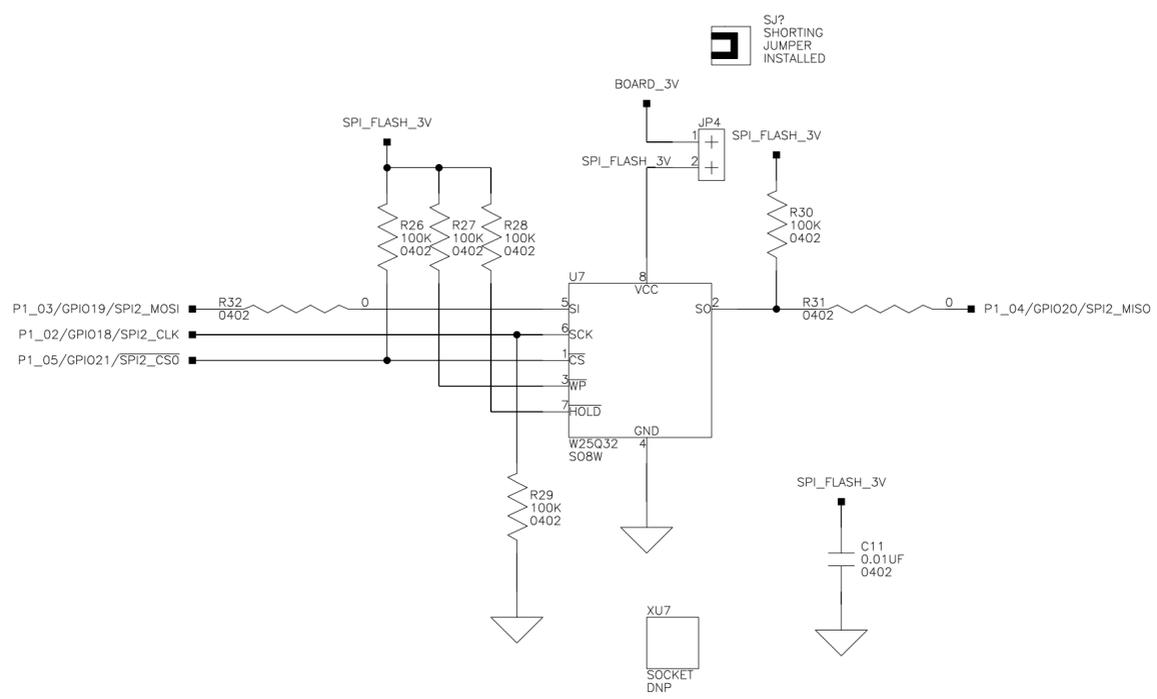
4



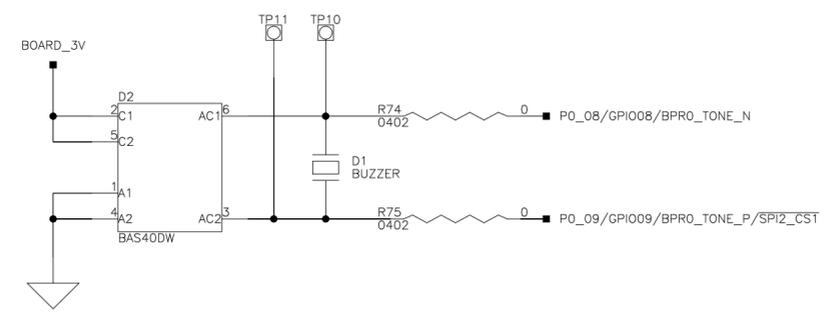
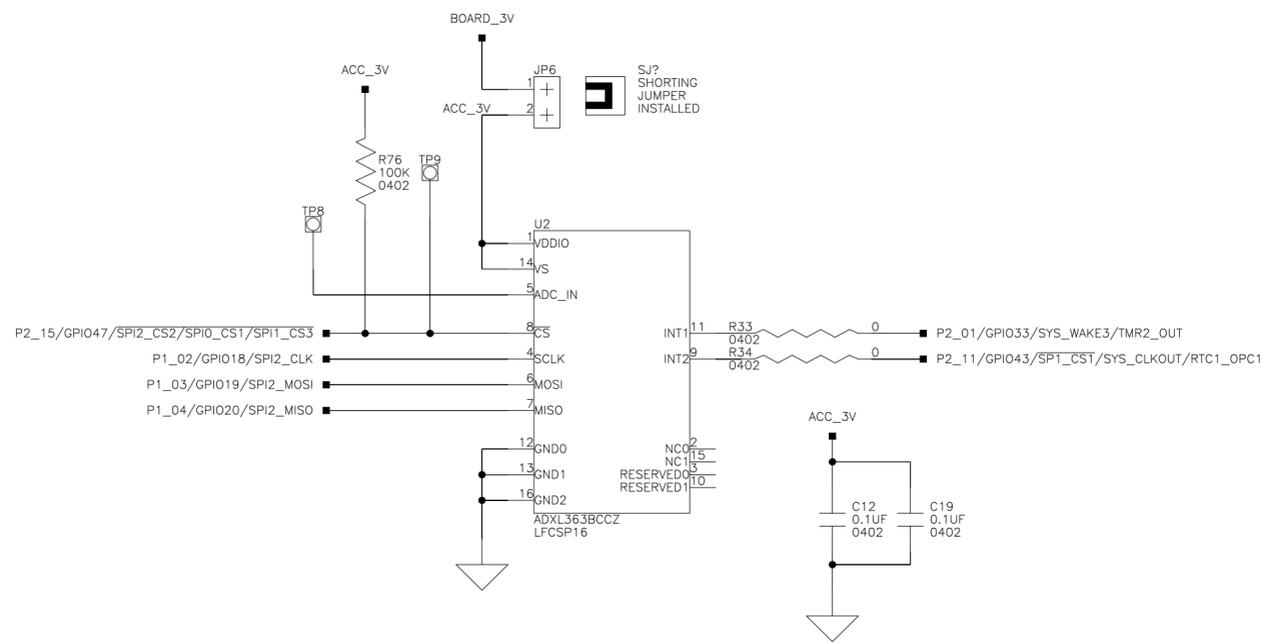
PCB Instructions:  
 R9 Pad must be close to "SYS\_LFXTAL\_IN"  
 R10 Pad must be close to "SYS\_LFXTAL\_OUT"



		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
		Title ADuCM4x50 WLCSP EZ-KIT Processor/Crystals	
Size C	Board No. A0919-2016	Rev 1.1	
Date 01/18/17	Sheet 2 of 10		

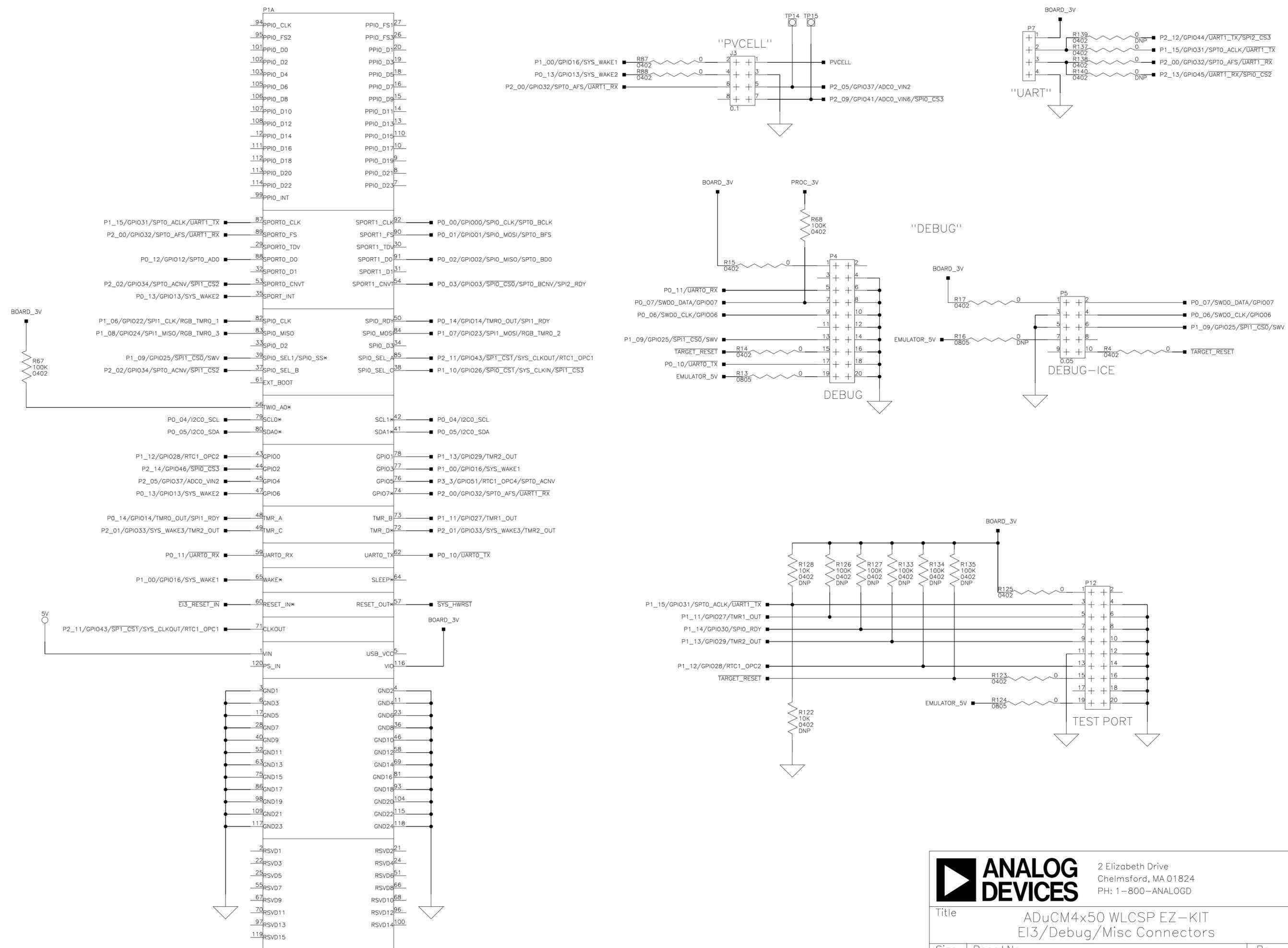


TWI address 1001 000x  
where x is the R/W bit. Read = 1, Write = 0

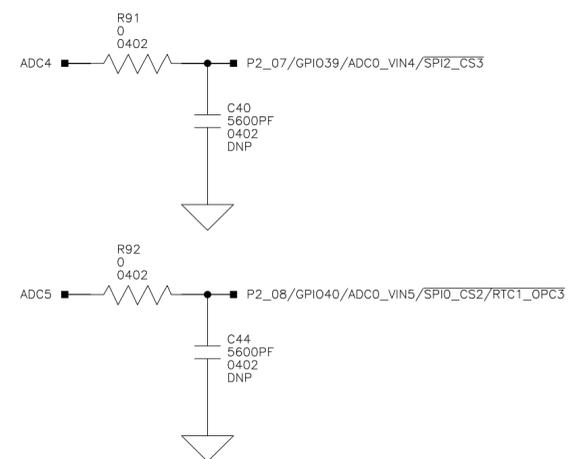
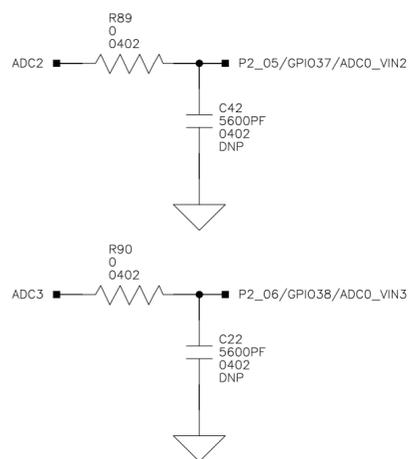
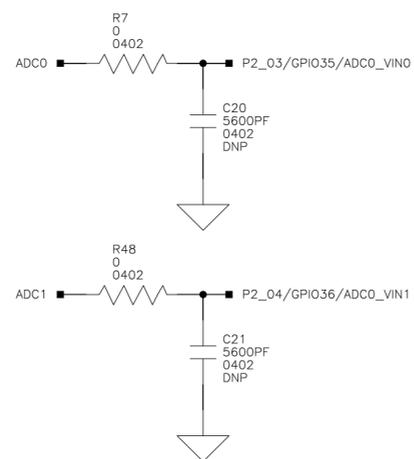
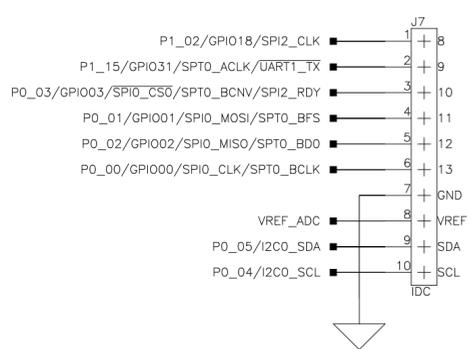
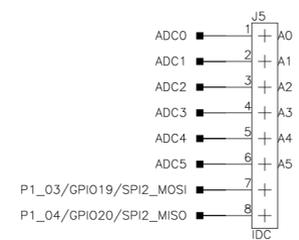
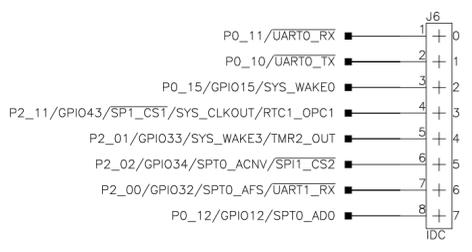
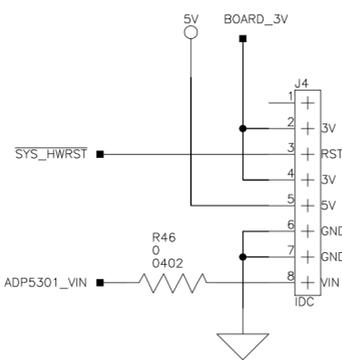


		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOG	
		Title ADuCM4x50 WLCSP EZ-KIT SPI flash/Temp Sensor/Accelerometer/Buzzer	
Size C	Board No. A0919-2016	Rev 1.1	
Date 01/18/17	Sheet 3 of 10		



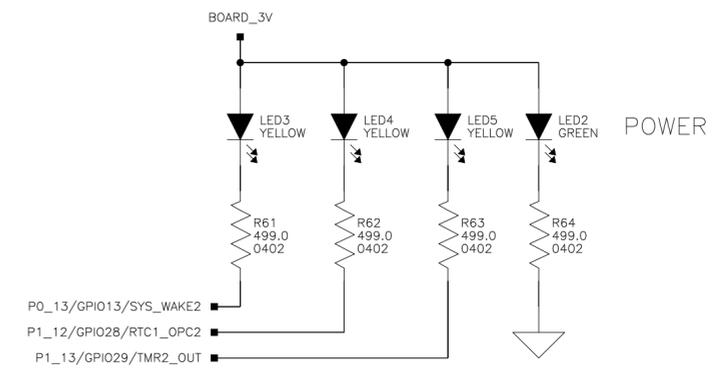
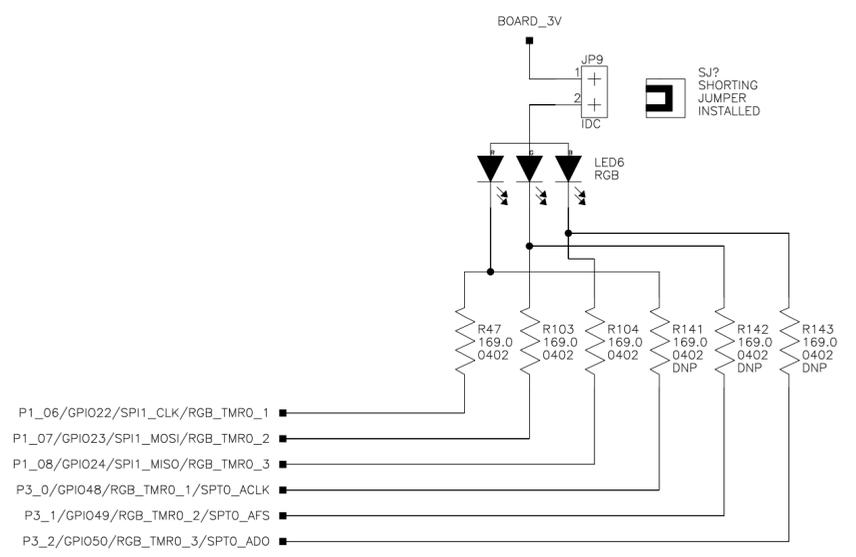
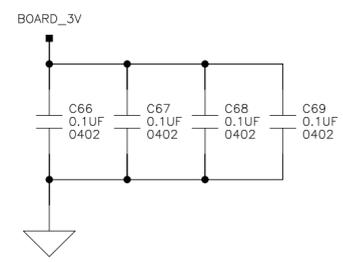
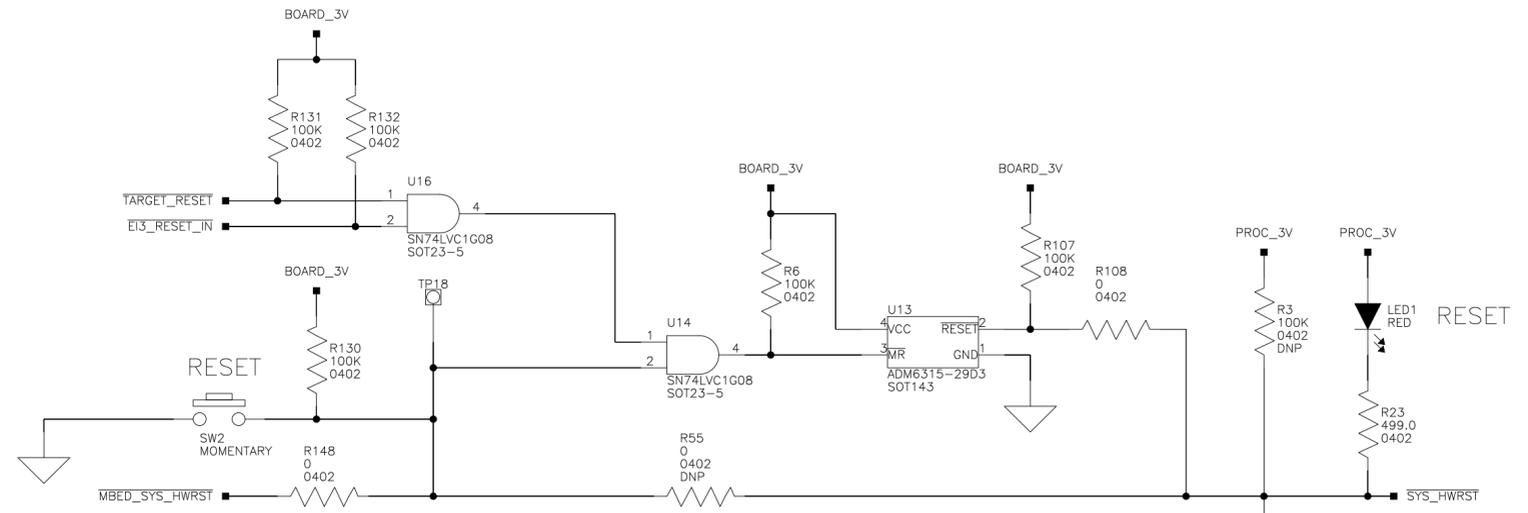
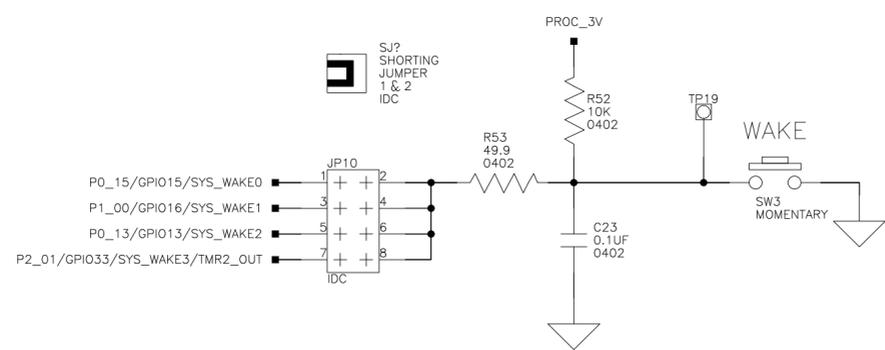
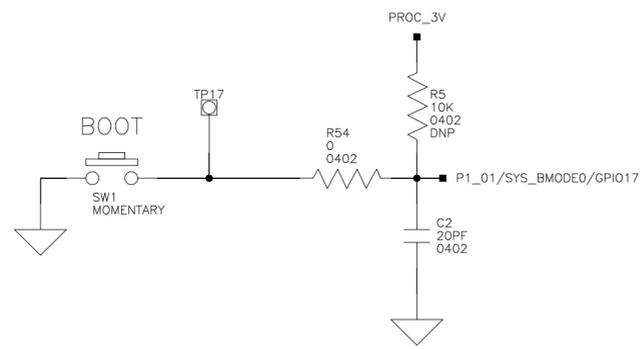
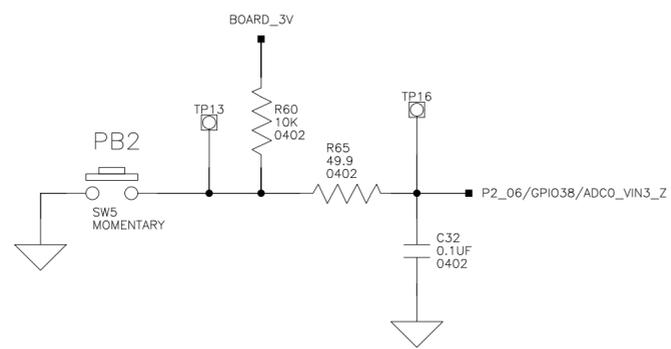
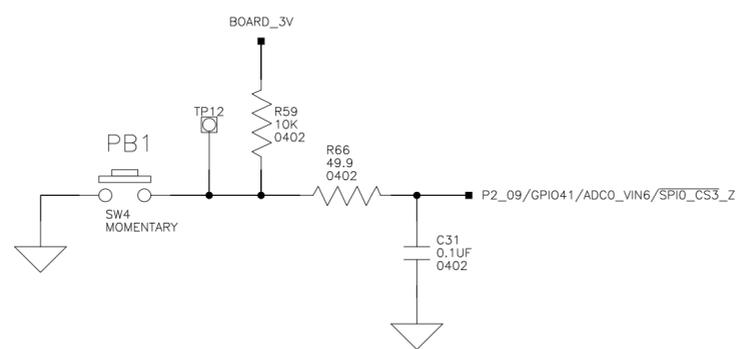


		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
		Title ADuCM4x50 WLCSP EZ-KIT E13/Debug/Misc Connectors	
Size C	Board No. A0919-2016	Rev 1.1	
Date 01/18/17	Sheet 5 of 10		

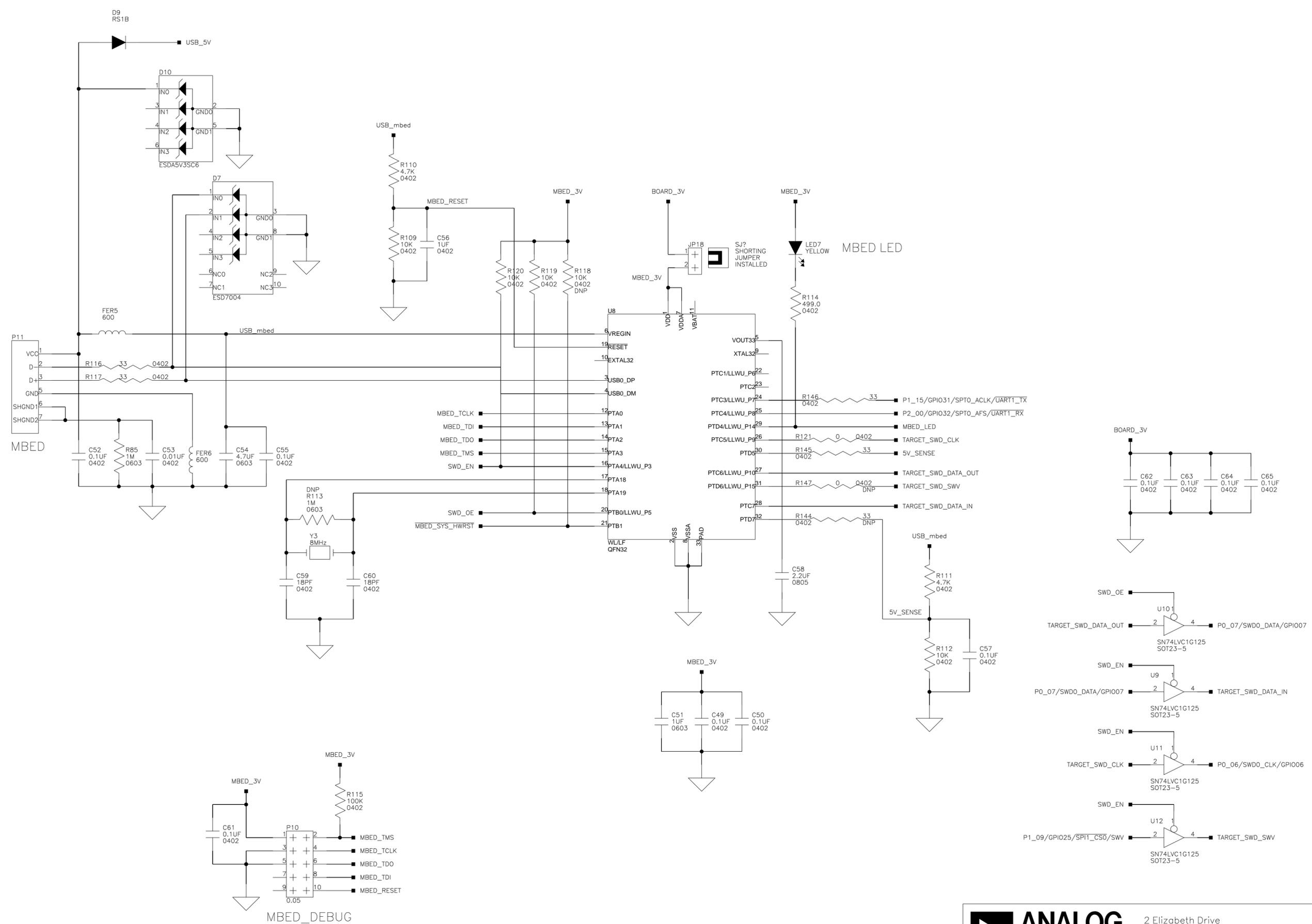


		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
		Title ADuCM4x50 WLCSP EZ-KIT Arduino Interface	
Size C	Board No.	A0919-2016	Rev 1.1
Date	01/18/17	Sheet 6 of 10	

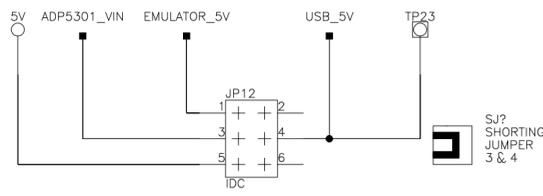
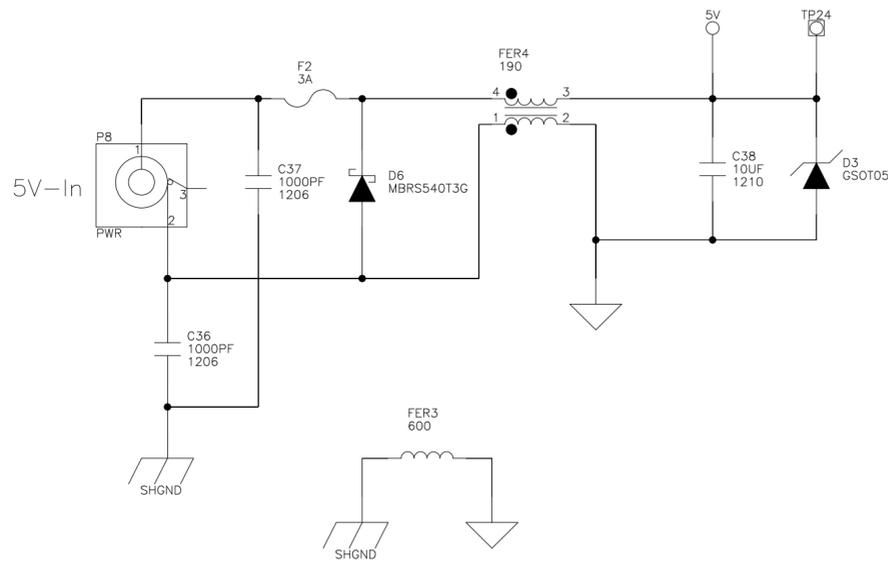




		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
Title ADuCM4x50 WLCSP EZ-KIT Switches/LEDs/Reset			
Size C	Board No. A0919-2016	Rev 1.1	
Date 01/18/17	Sheet 8 of 10		

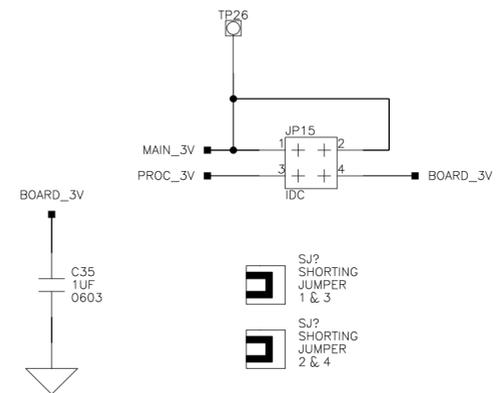
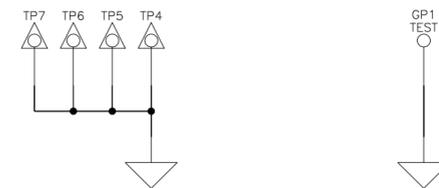


		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
		Title ADuCM4x50 WLCSP EZ-KIT mbed Interface	
Size C	Board No. A0919-2016	Rev 1.1	
Date 01/18/17	Sheet 9 of 10		

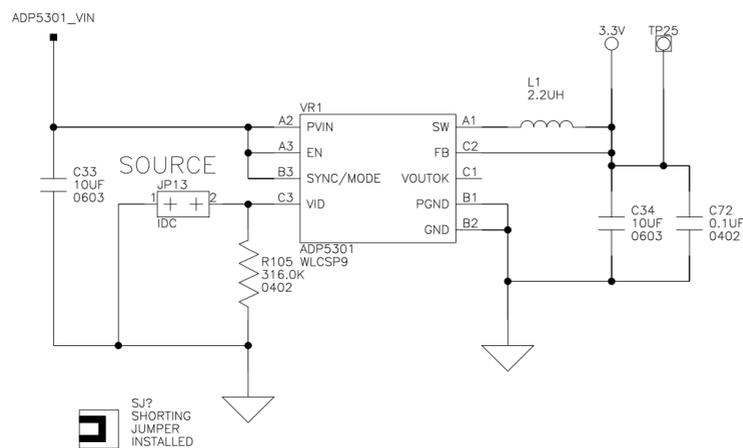


MAIN POWER

EMULATOR 5V	1 & 3	DEFAULT
USB 5V	3 & 4	
WALL 5V	3 & 5	



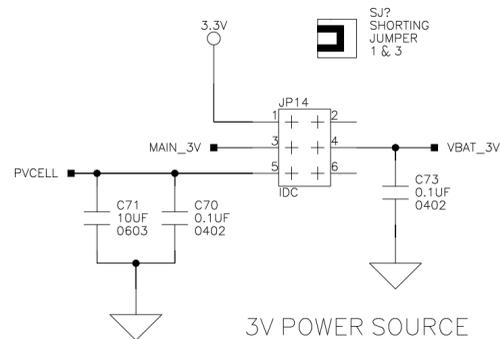
REMOVE TO MEASURE CURRENT DRAW OF PROCESSOR AND BOARD



SJ? SHORTING JUMPER INSTALLED

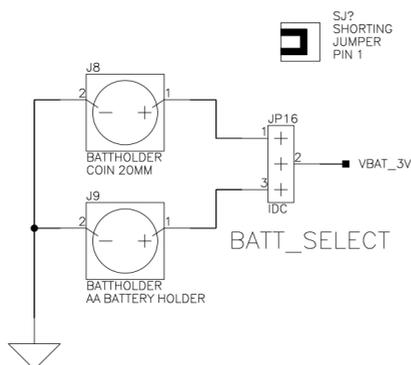
Power Source

3.0V	Installed	Default
3.3V	Not Installed	

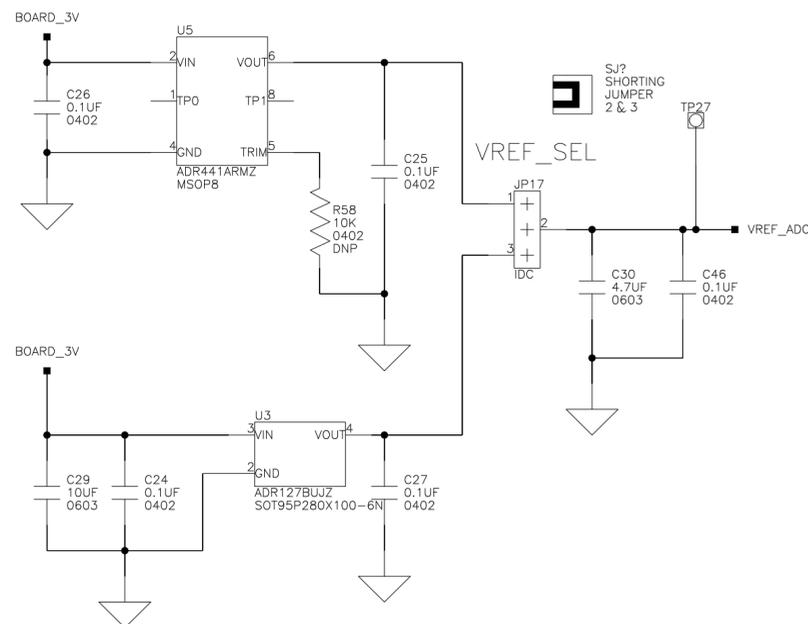


3V POWER SOURCE

VR1 3V	1 & 3	Default
BATTERY 3V	3 & 4	
PVCELL 3V	3 & 5	



SJ? SHORTING JUMPER PIN 1



SJ? SHORTING JUMPER 2 & 3

		2 Elizabeth Drive Chelmsford, MA 01824 PH: 1-800-ANALOGD	
		Title ADuCM4x50 WLCSP EZ-KIT Power	
Size C	Board No. A0919-2016	Rev 1.1	
Date 01/18/17	Sheet 10 of 10		