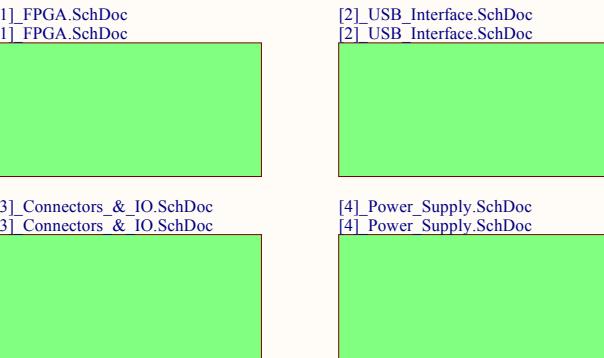
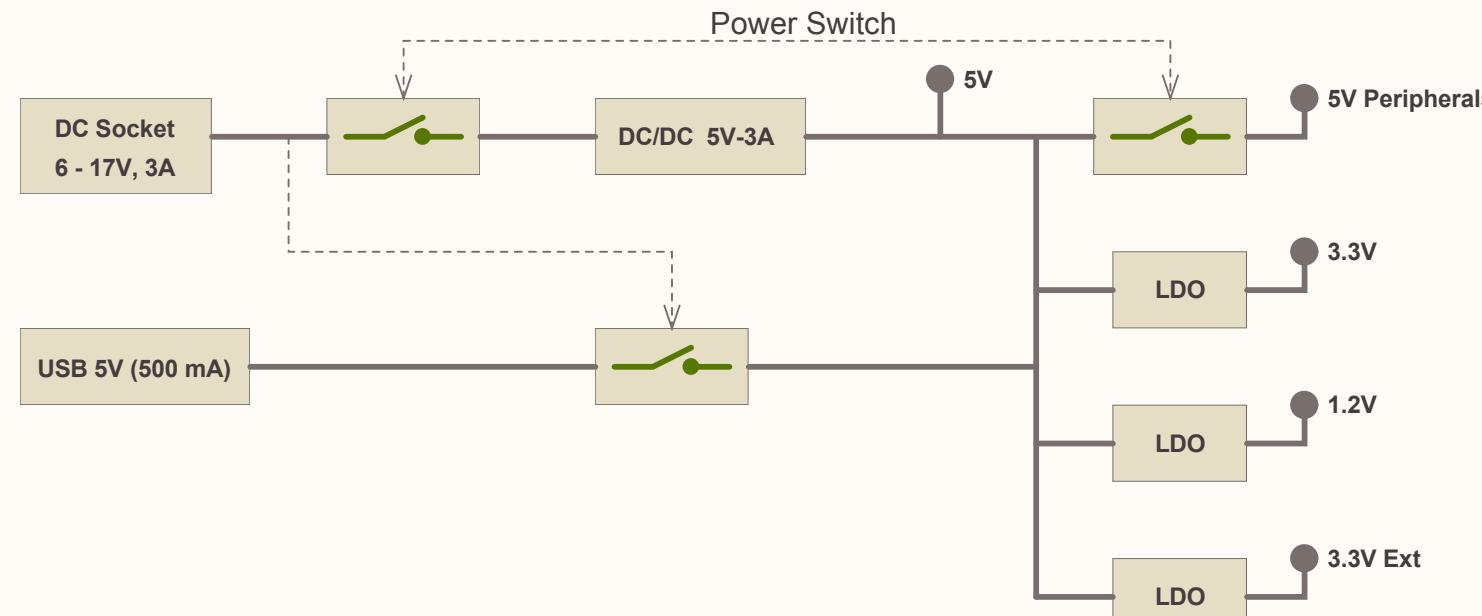
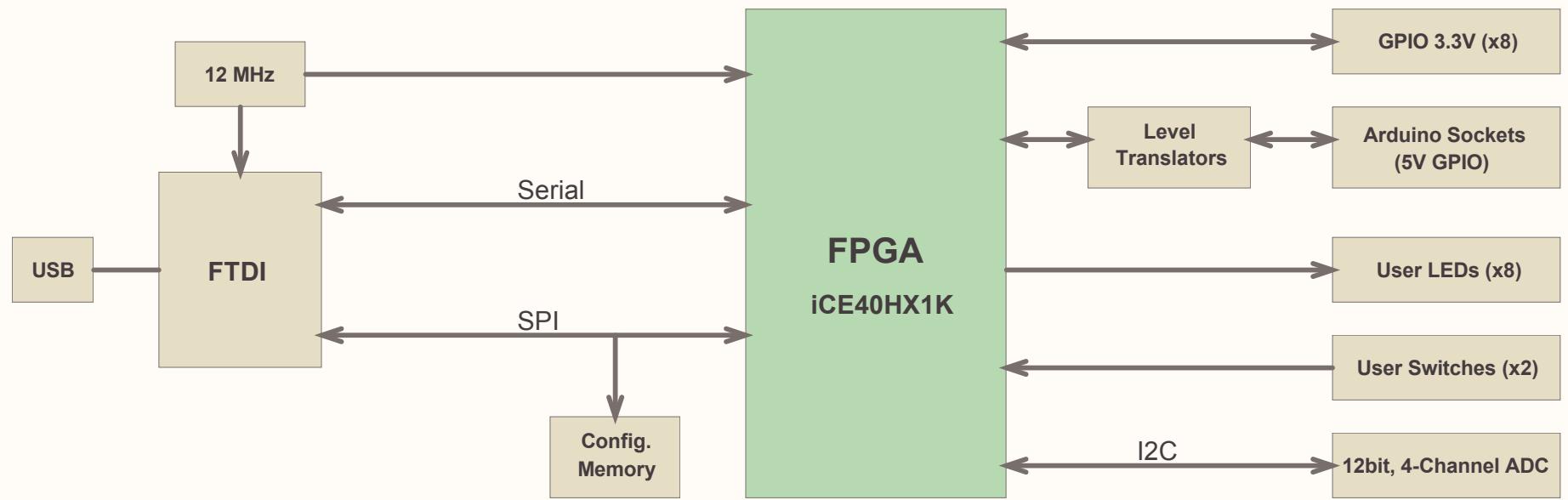


IceZUM Core HX1K

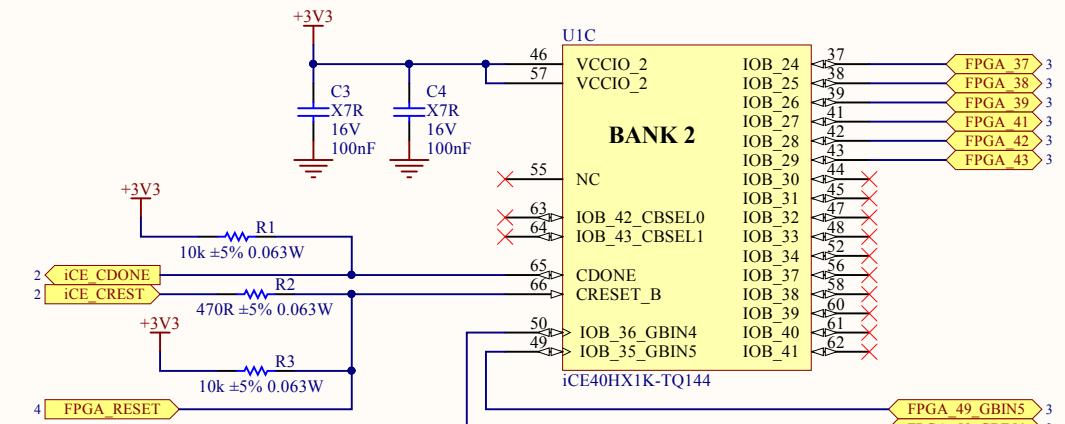
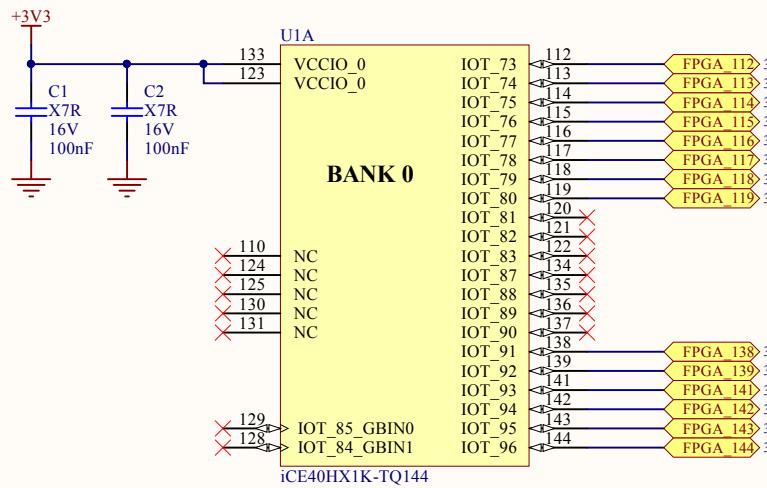
Revision History

2016-02-18: Initial release, Rev1.0 (Date code 1607)

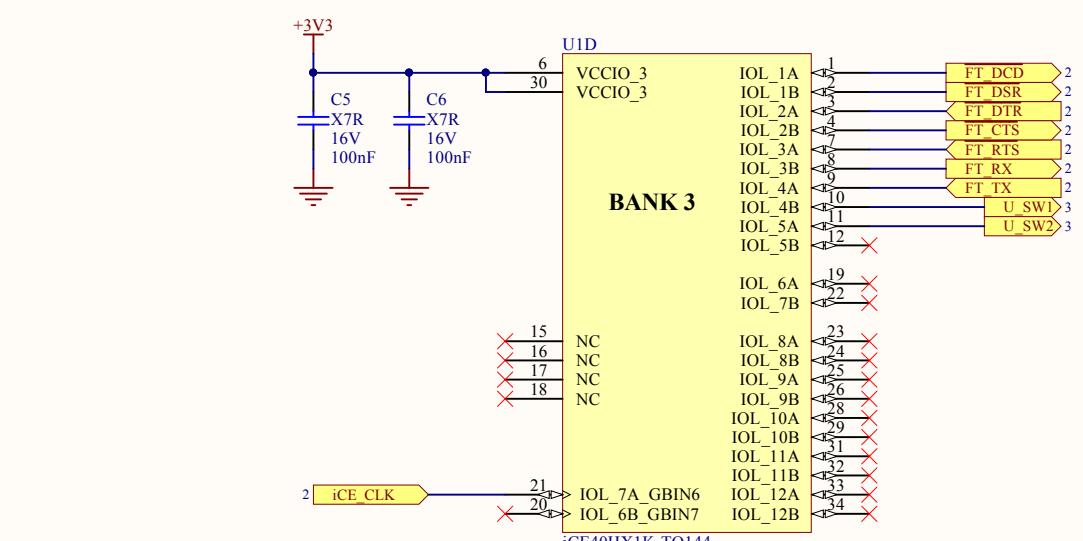
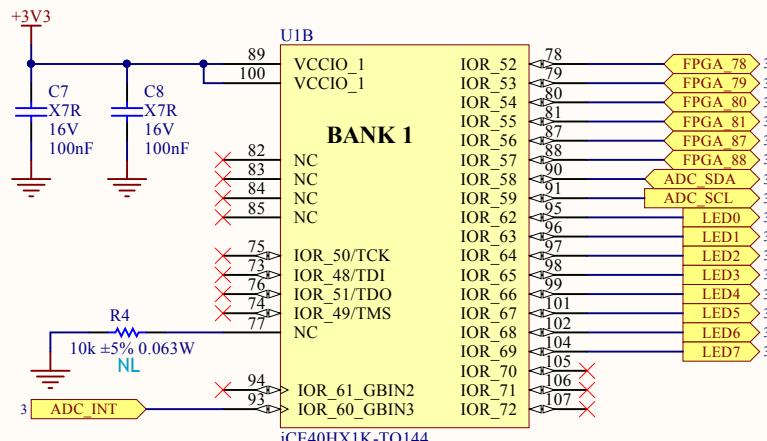


	Title: Top Sheet
Project:	IceZUM_Core_HX1K.PrjPcb
Author:	Eladio Delgado
Size:	A3
Number:	0
Revision:	0
Date:	18/02/2016
Time:	17:08:21
Sheet:	0 of 5

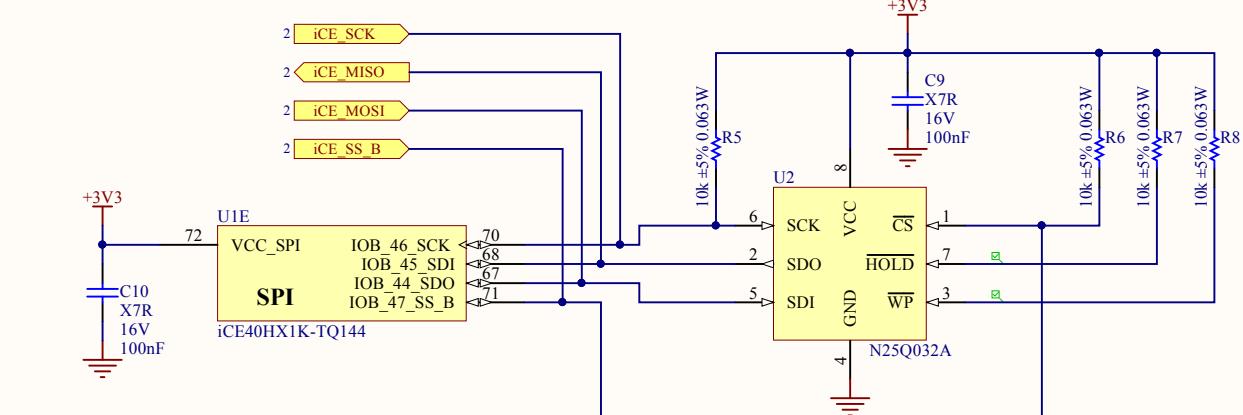
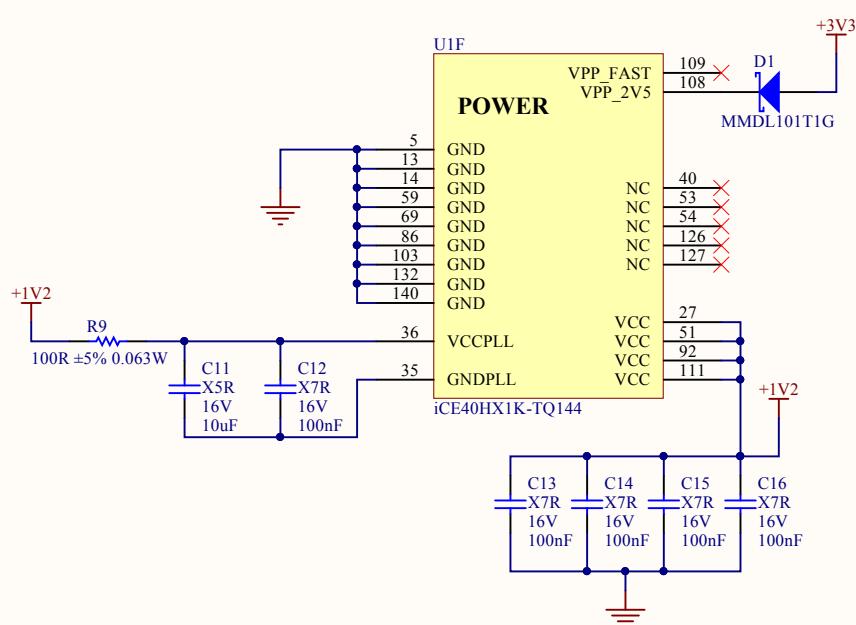
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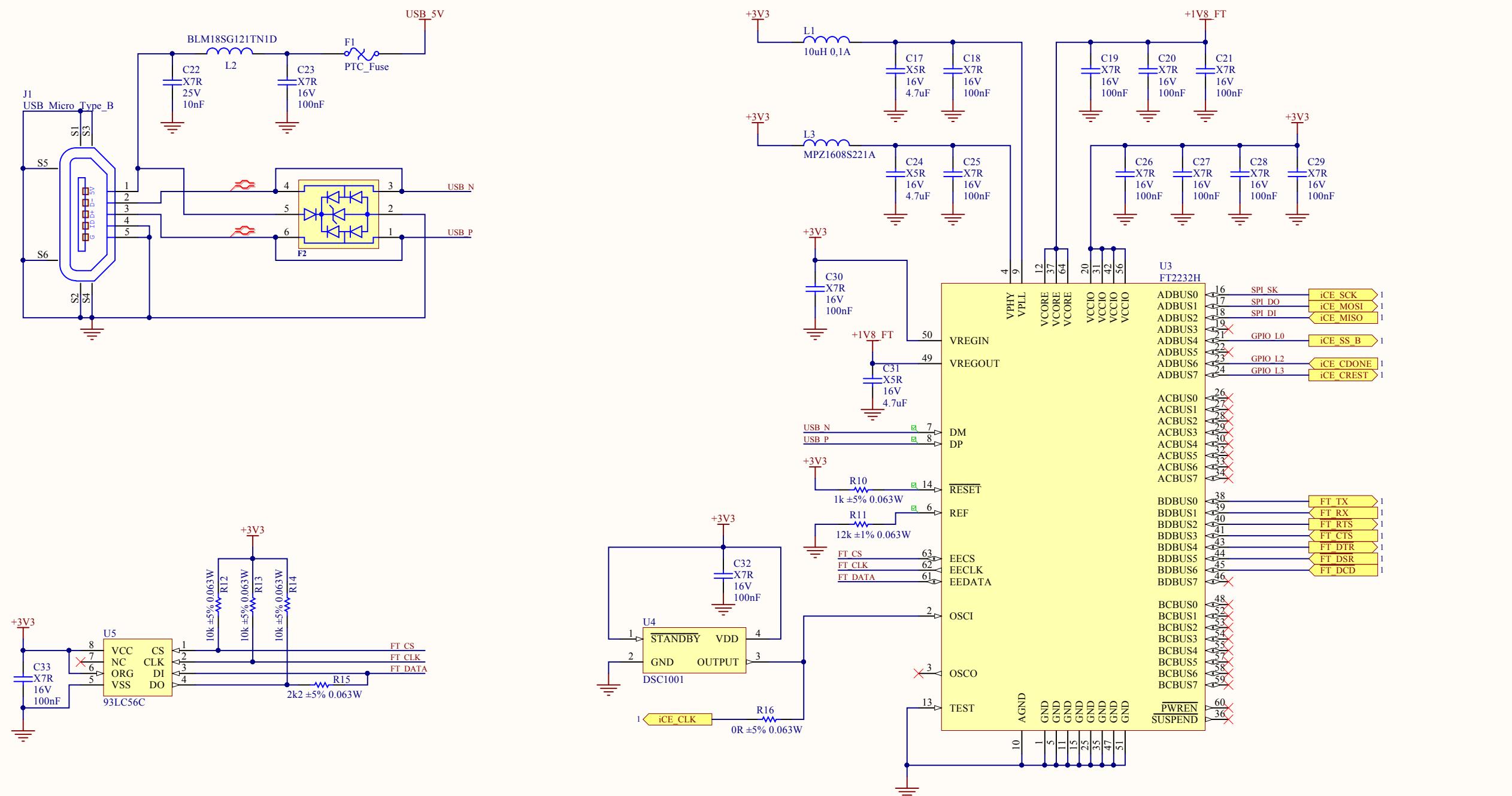
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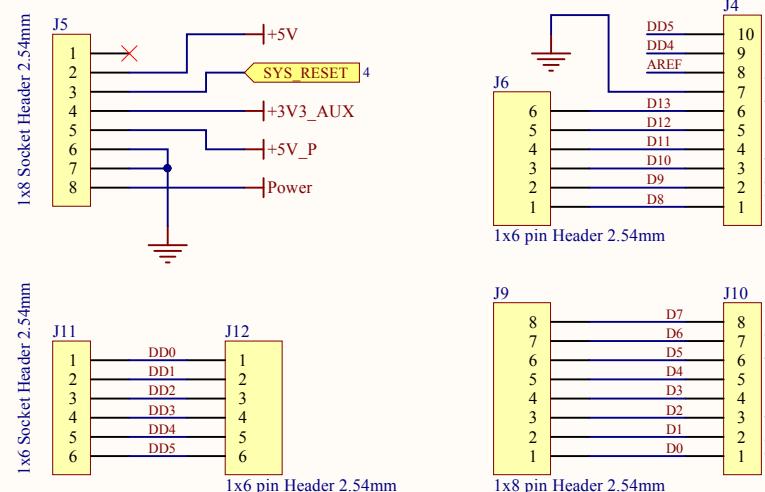


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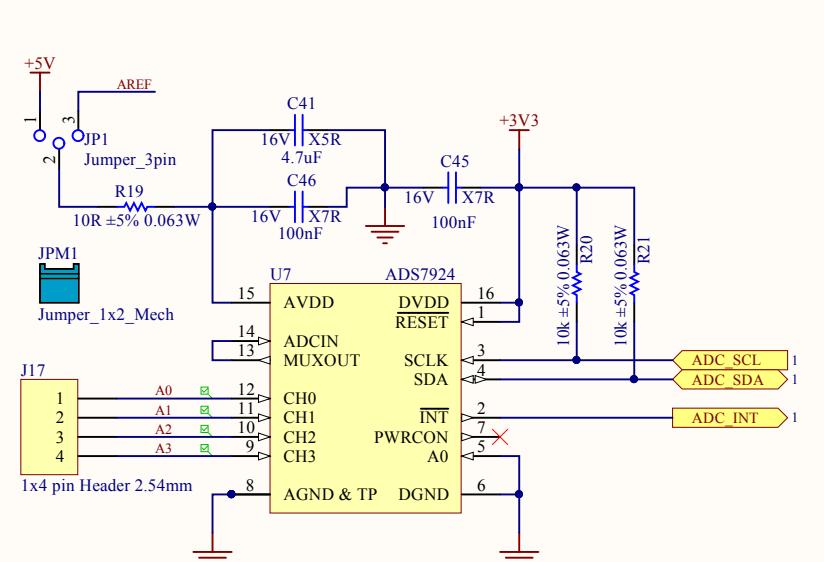


Title	FPGA	
Project	IceZUM_Core_HX1K.PnjPcb	
Author	Eladio Delgado	
Size:	A3	Number:
Date:	18/02/2016	Revision: 0
Time:	17:08:21	Sheet 1 of 5

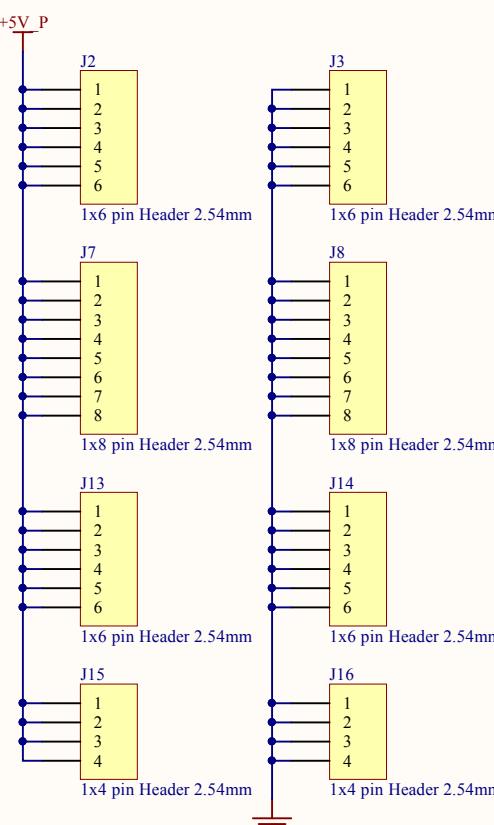




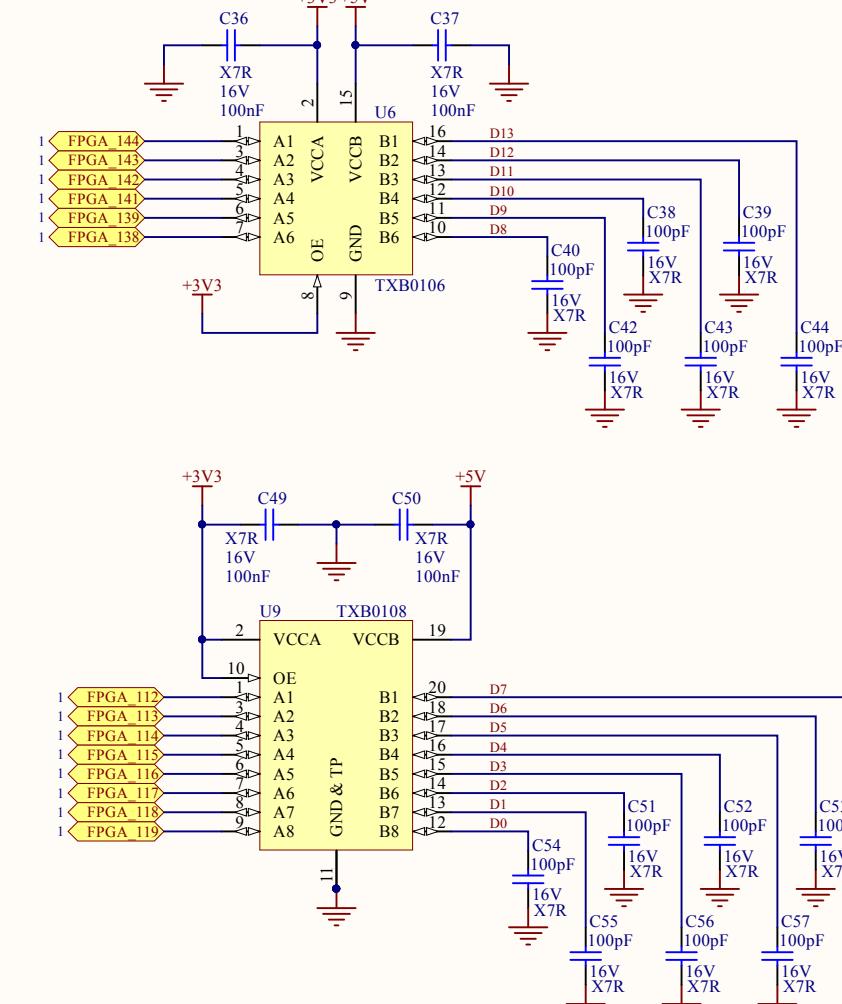
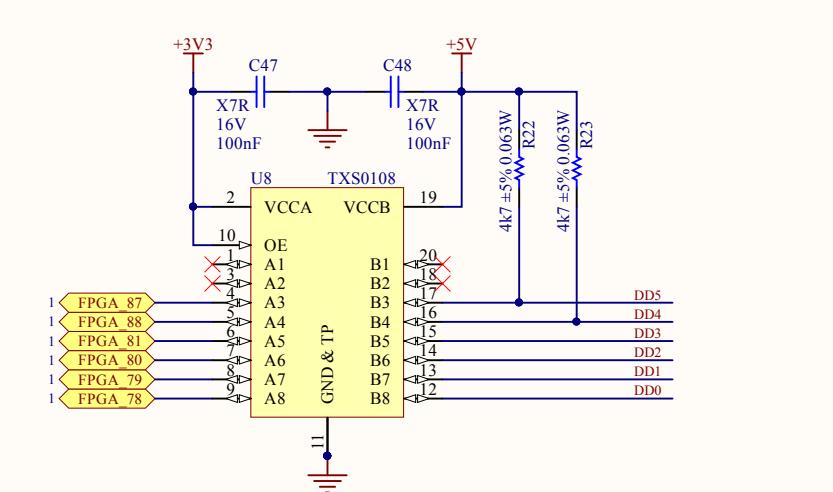
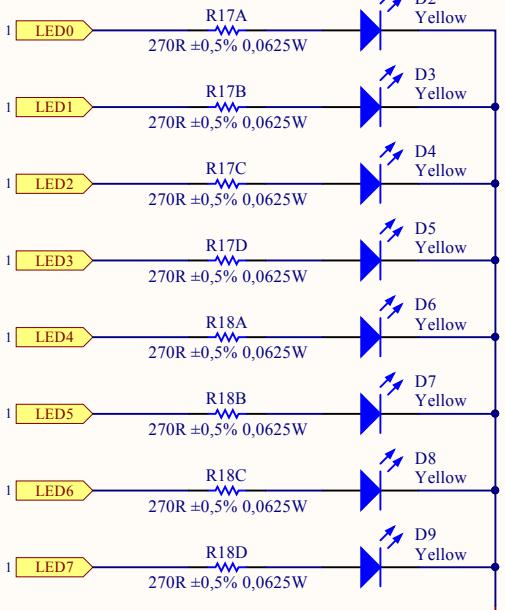
Arduino Sockets & Replicating Headers



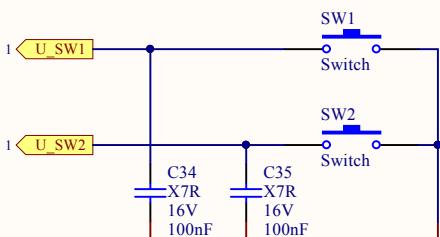
4-Channel I2C ADC



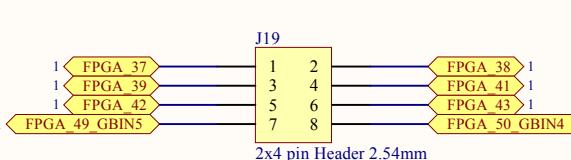
Power Headers



Level Translators for FPGA to Arduino GPIO



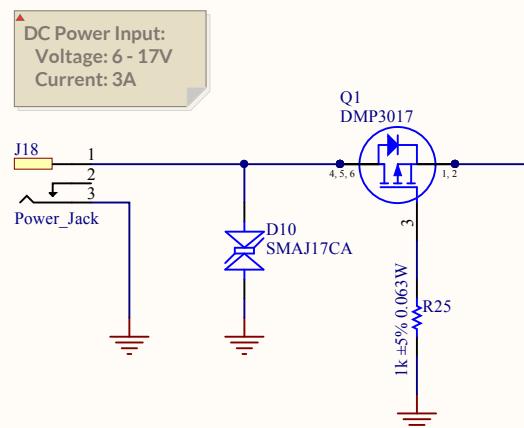
User Switches & LEDs



FPGA Direct GPIO (3V3)

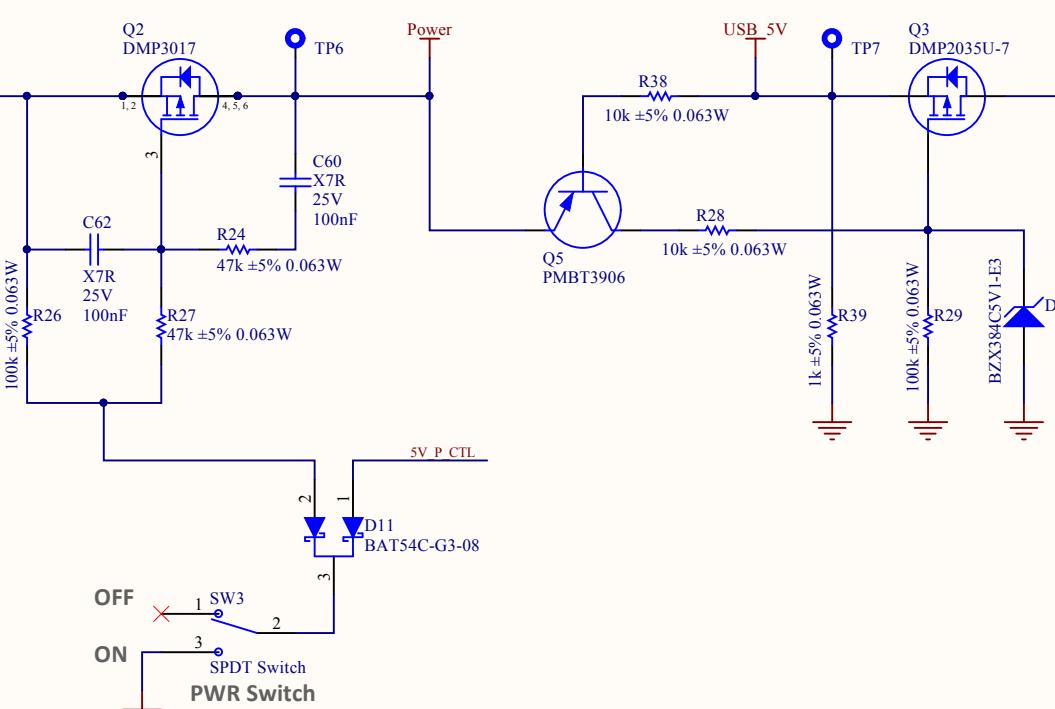
Title	Connectors & IO		
Project	IceZUM_Core_HX1K.PjPcb		
Author	Eladio Delgado		
Size:	A3	Number:	Revision: 0
Date:	18/02/2016	Time:	17:08:22
Sheet	3	of	5



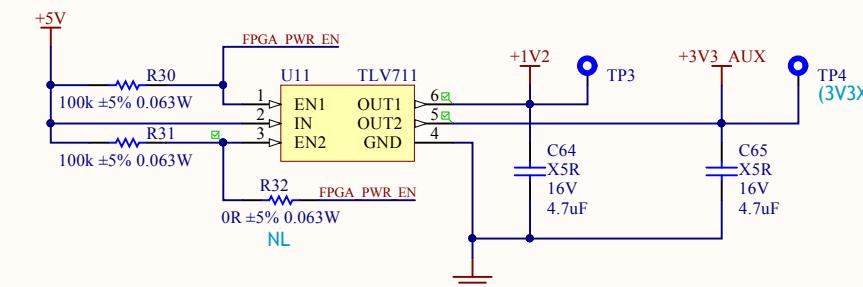


- ▲ PWR Switch operation:
 - Board powered from JACK:
It switches ON/OFF entire board
 - Board powered from USB:
It switches ON/OFF peripherals power
Logic always ON
 - Board powered from JACK & USB:
Switch OFF: Logic ON / Peripherals OFF,
 logic powered from USB
 - Switch ON: Logic ON / Peripherals ON,
 entire board powered from JACK

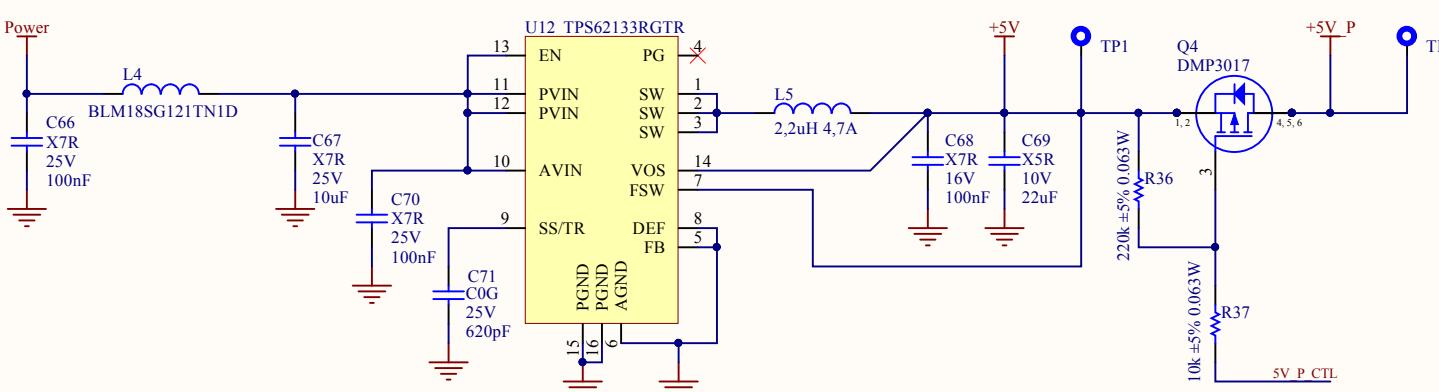
Power Inputs Control and Protections



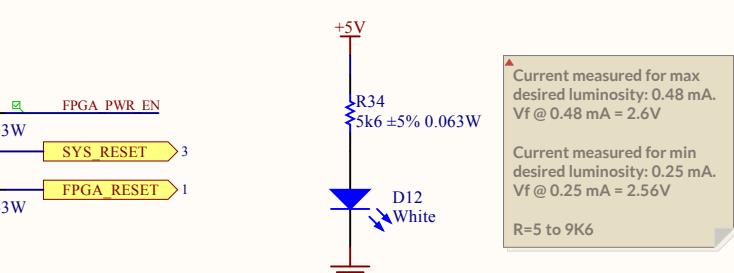
3.3V Rail, 700 mA Max.



1.2V Rail (200 mA) and External 3.3V Rail (200 mA)



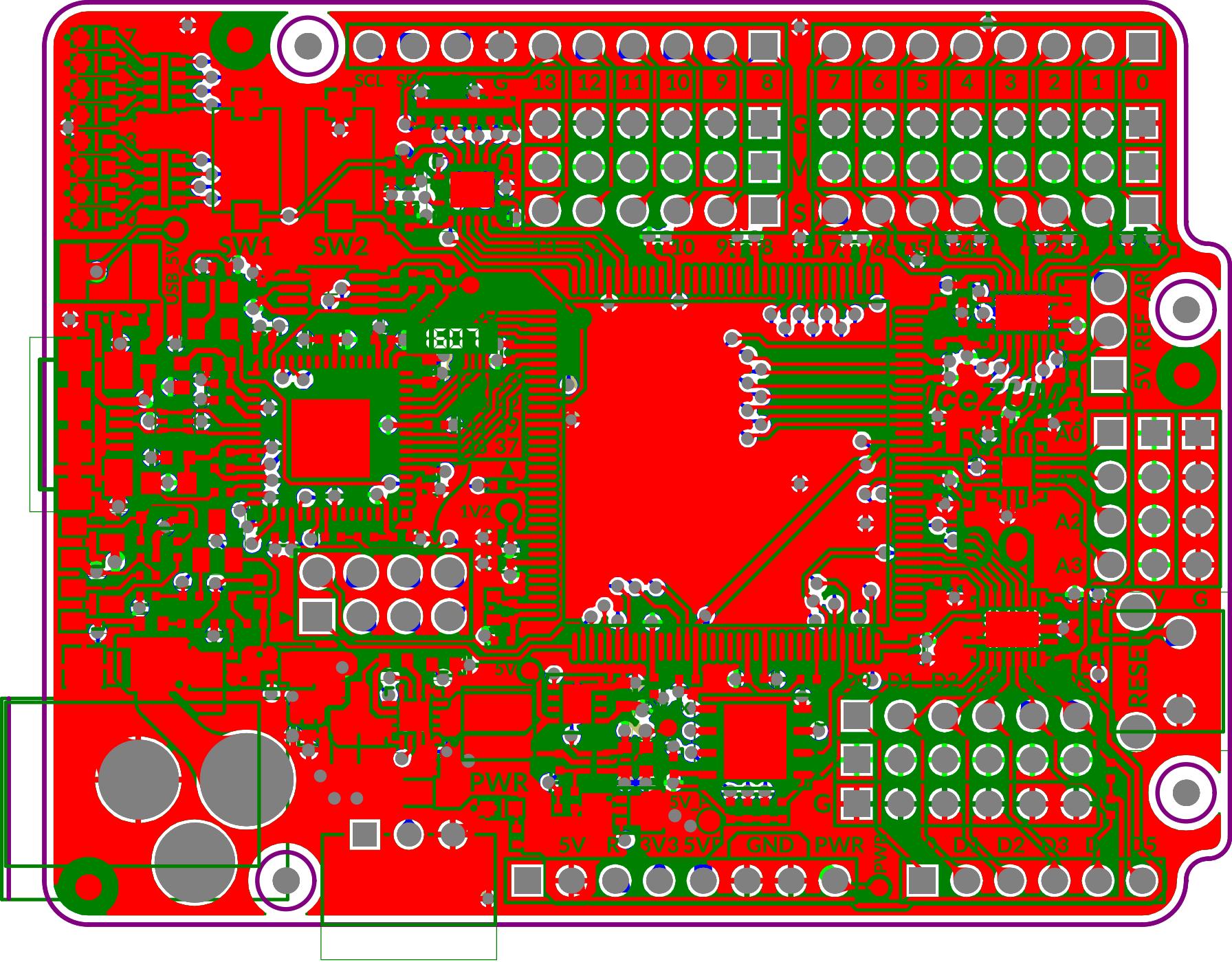
RESET

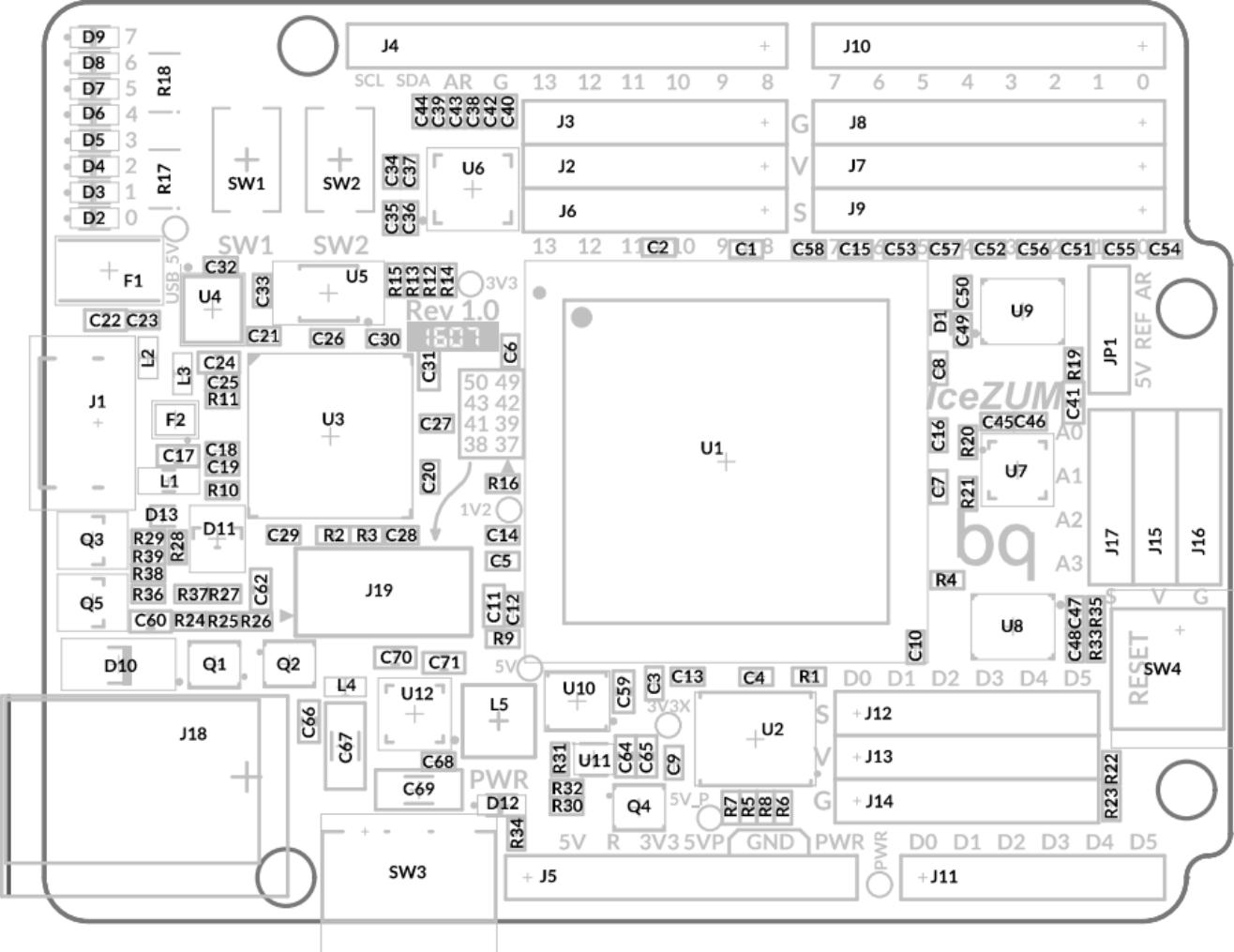


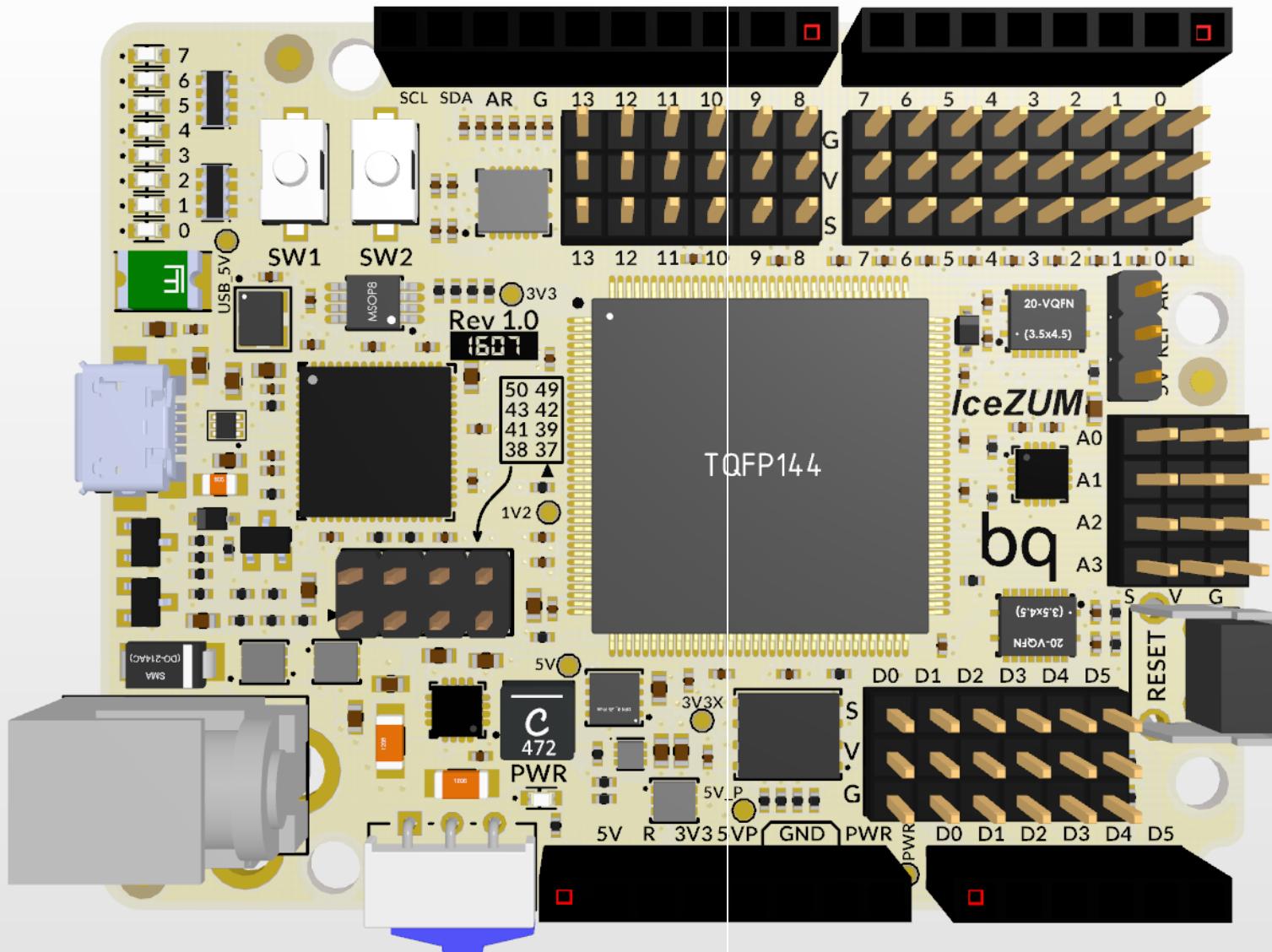
Power LED

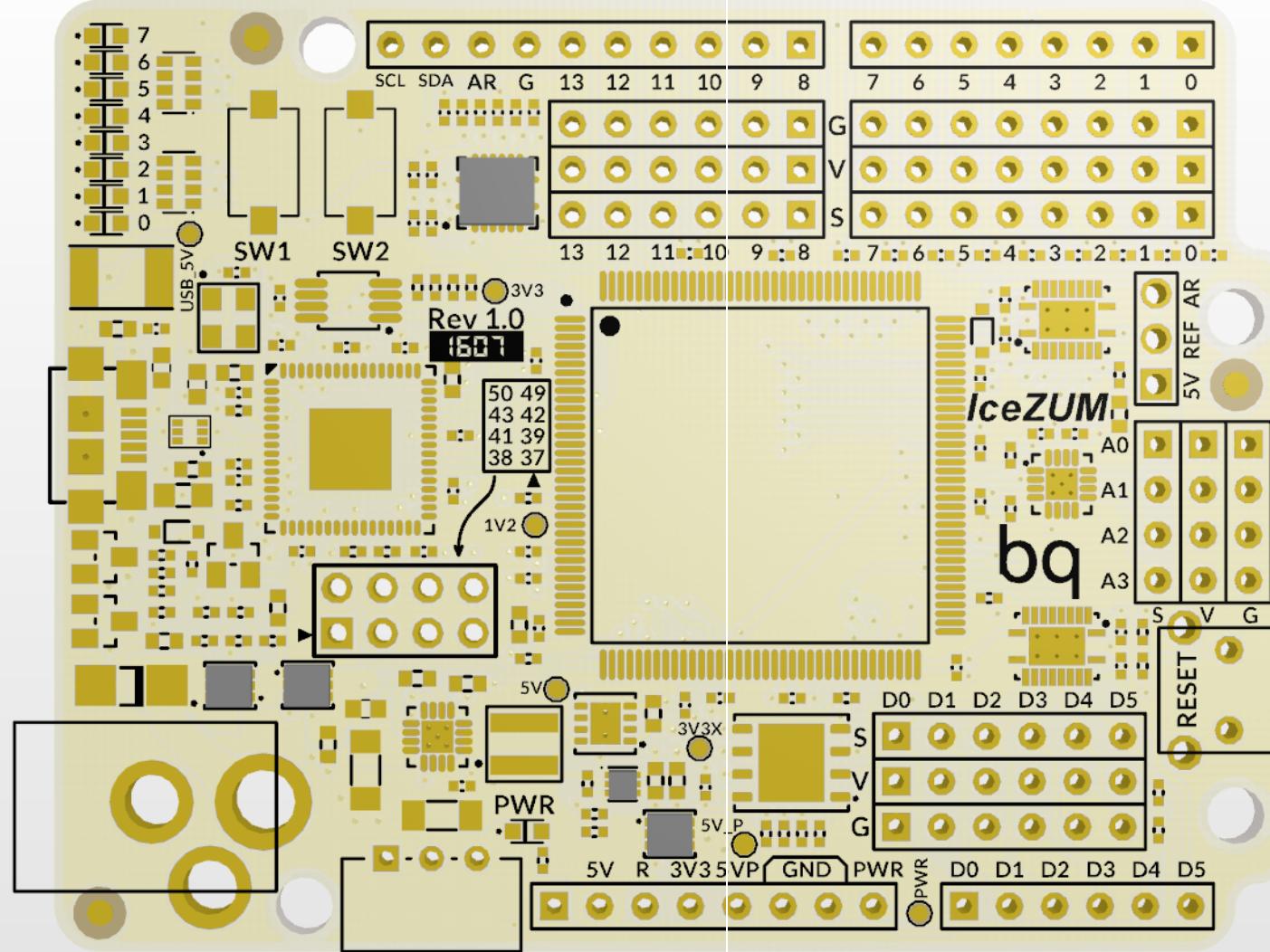
5V, 3A Power Supply

bq	Title	Power Supply	
	Project	IceZUM_Core_HX1K.PrjPcb	
	Author	Eladio Delgado	
	Size:	A3	Number:
	Date:	18/02/2016	Time:
		17:08:22	Sheet 4 of 5









bq

IceZUM

Designed & Assembled
in Spain - bq.com



RoHS

IOREF

◀ OFF/ON ▶

6 - 17 V