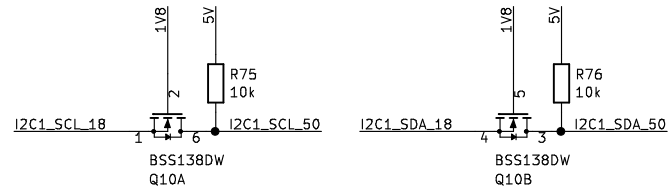
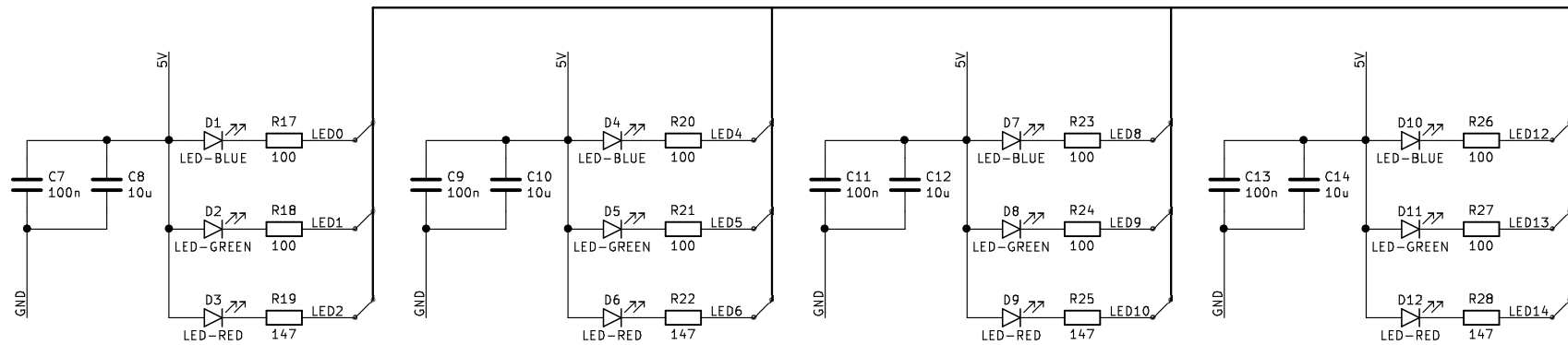
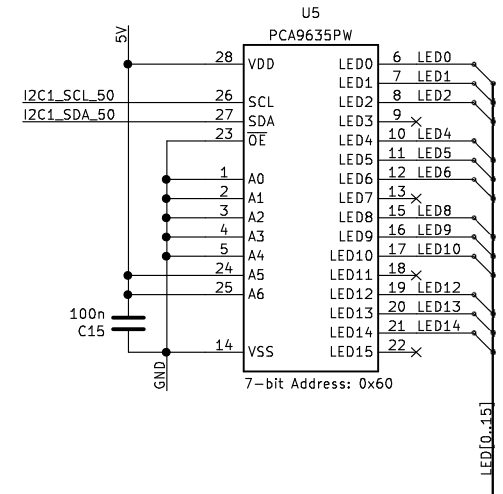


GNDD — GND  
 5VD — 5V  
 I2C1\_SCL\_18D — I2C1\_SCL\_18  
 I2C1\_SDA\_18D — I2C1\_SDA\_18



Pull-up resistors for the 1.8V side are located near the 3.3V shifting circuitry



LED resistors must be at least 1/16W

Sheet: /LEDs/  
 File: leds.sch

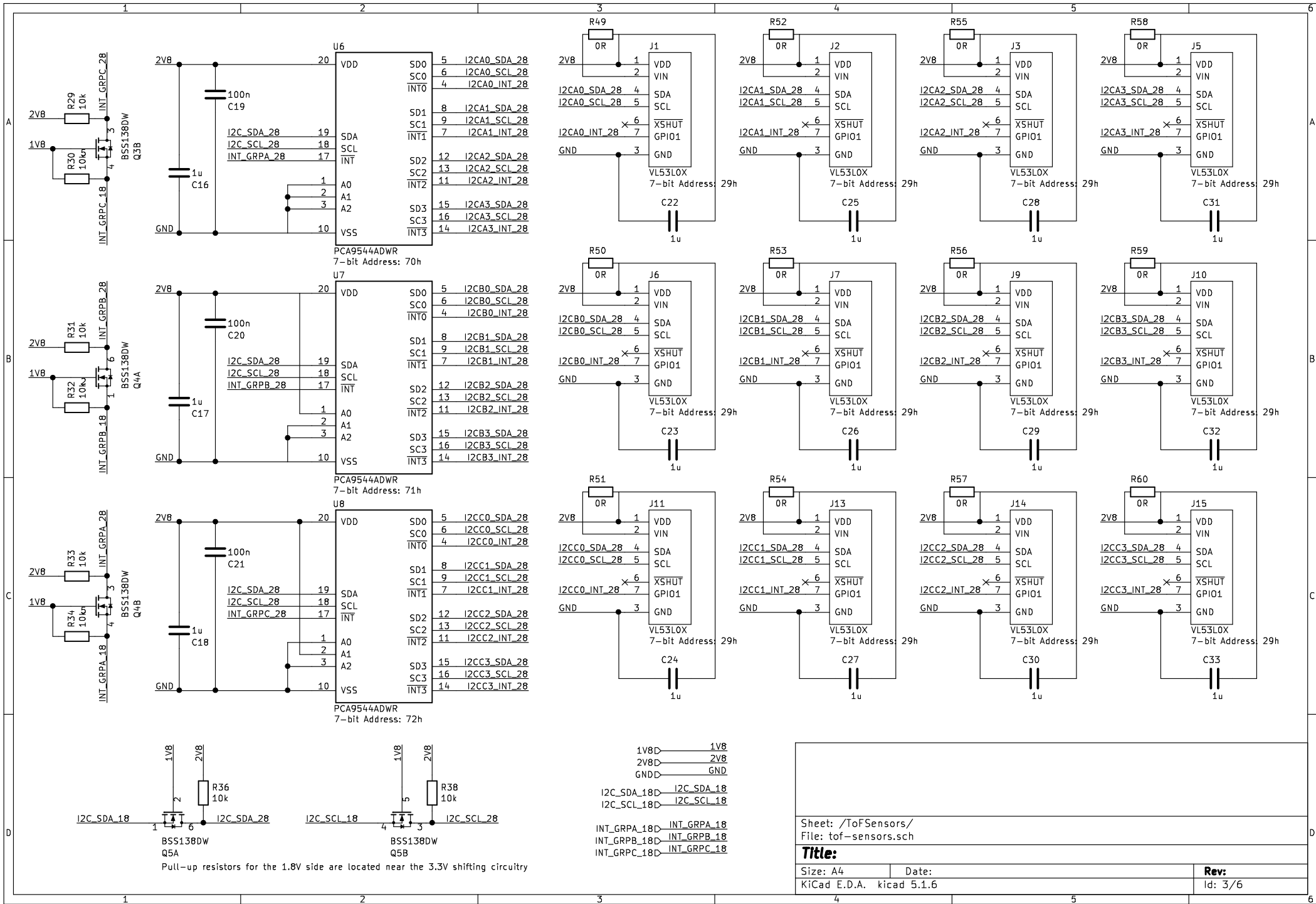
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Size: A4  
 KiCad E.D.A. kicad 5.1.6

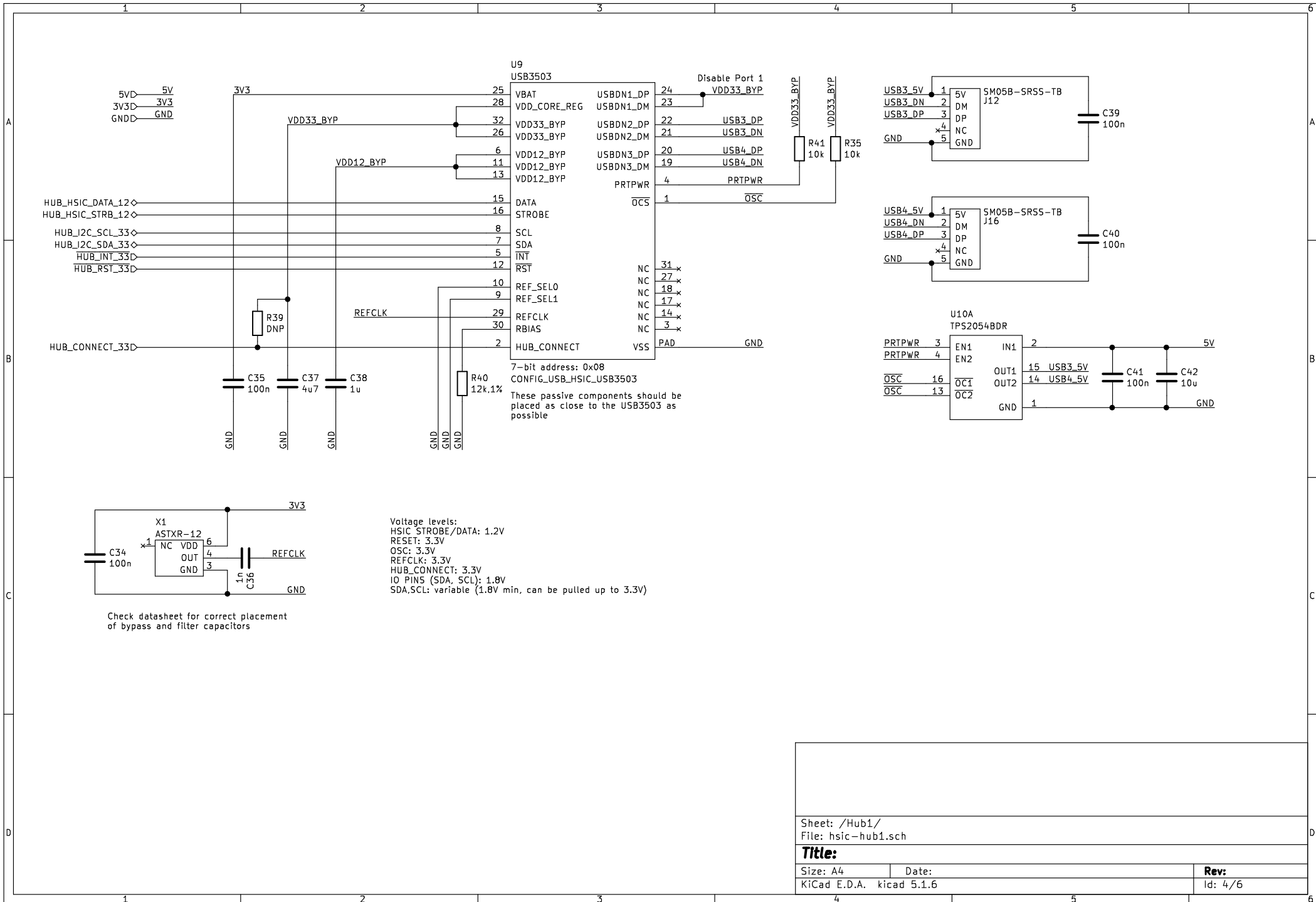
Date:

**Rev:**

Id: 2/6



Sheet: /ToFSensors/ File: tof-sensors.sch	
<b>Title:</b>	
Size: A4	Date:
KiCad E.D.A. kicad 5.1.6	<b>Rev:</b> Id: 3/6

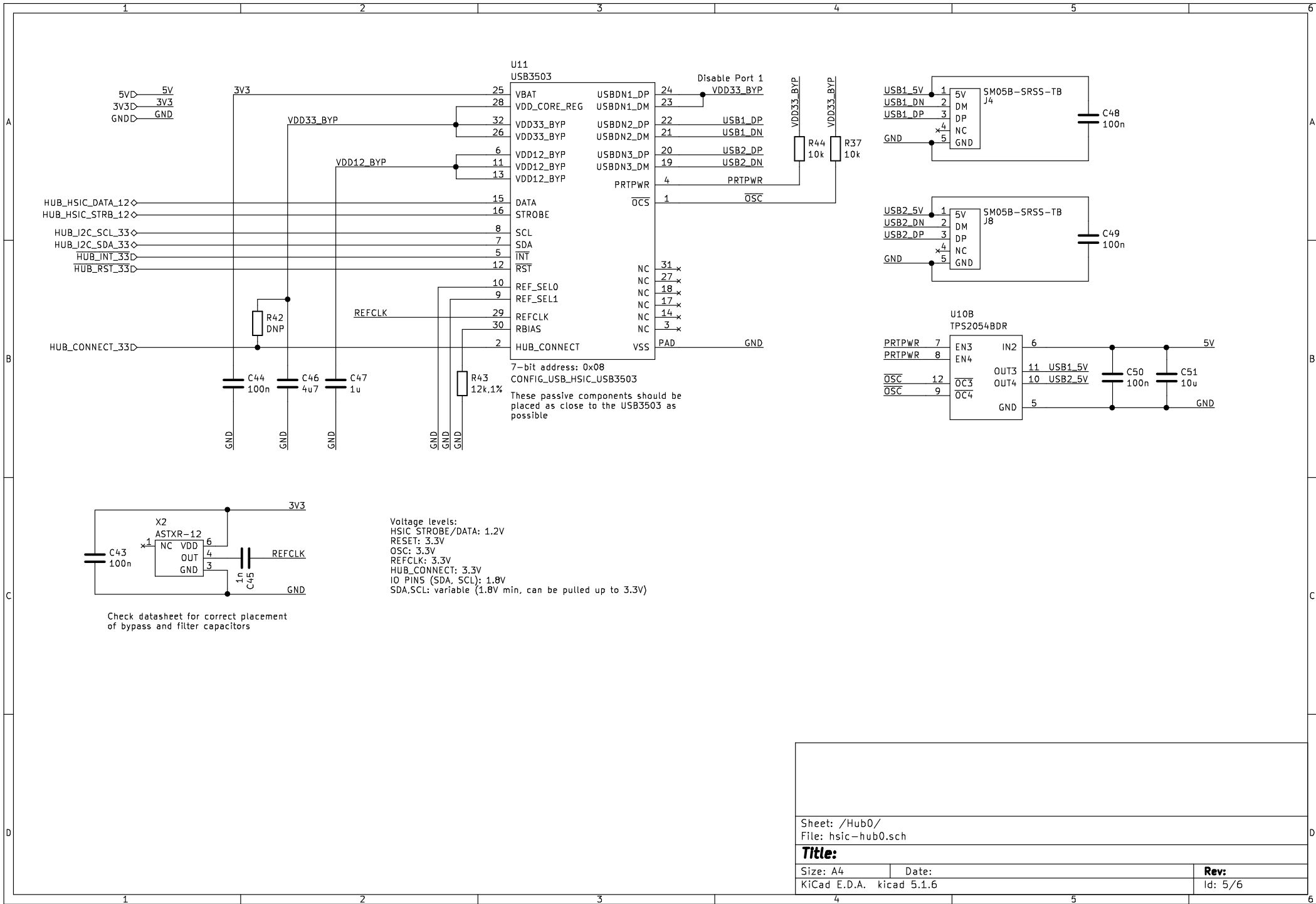


Sheet: /Hub1/  
 File: hsic-hub1.sch

**Title:**

Size: A4 Date:  
 KiCad E.D.A. kicad 5.1.6

**Rev:**  
 Id: 4/6



U11  
USB3503

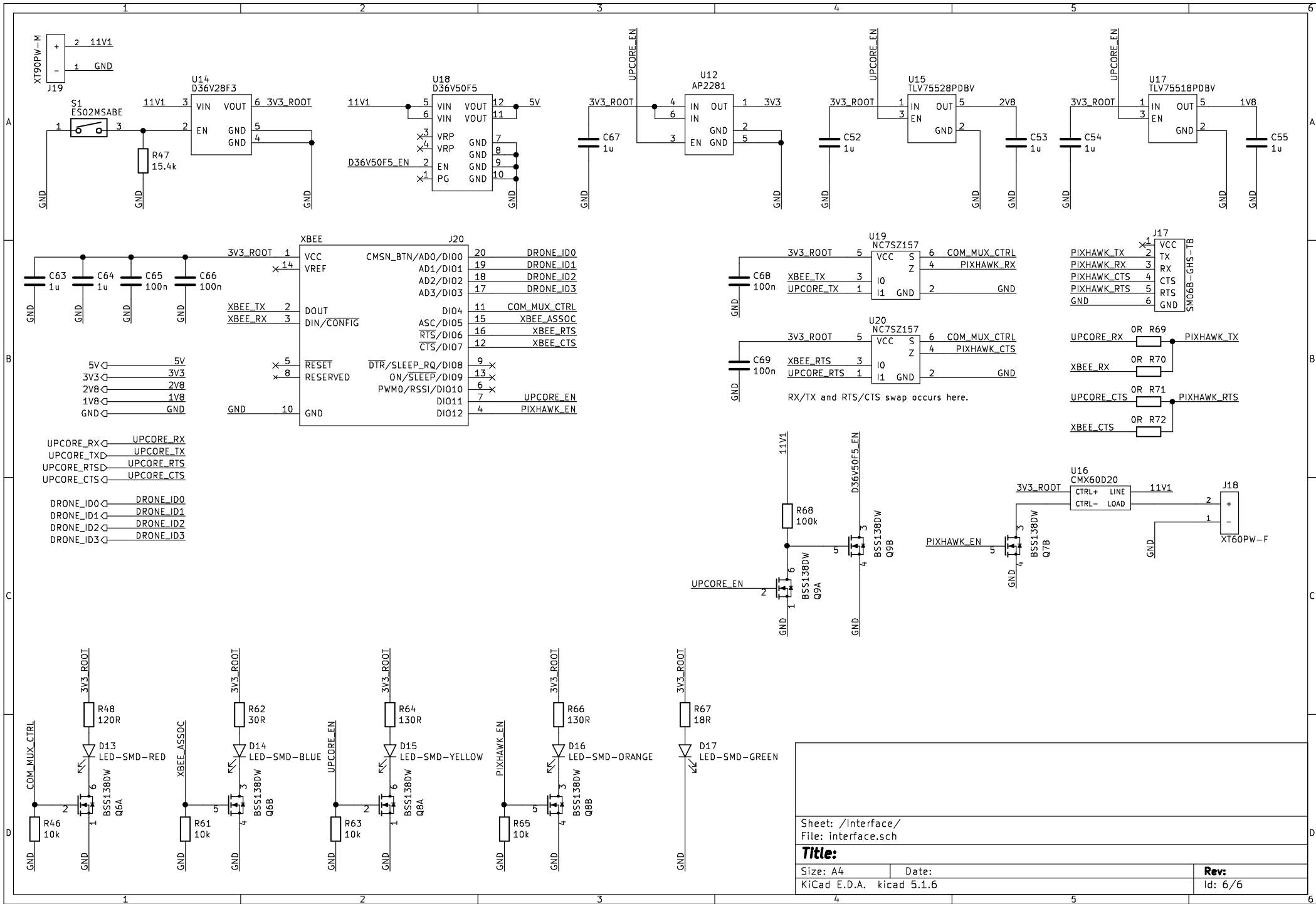
7-bit address: 0x08  
CONFIG\_USB\_HSIC\_USB3503

These passive components should be placed as close to the USB3503 as possible

Voltage levels:  
HSIC STROBE/DATA: 1.2V  
RESET: 3.3V  
OSC: 3.3V  
REFCLK: 3.3V  
HUB\_CONNECT: 3.3V  
IO PINS (SDA, SCL): 1.8V  
SDA,SCL: variable (1.8V min, can be pulled up to 3.3V)

Check datasheet for correct placement of bypass and filter capacitors

Sheet: /Hub0/		Date:	
File: hsic-hub0.sch		Rev:	
<b>Title:</b>			
Size: A4	KiCad E.D.A. kicad 5.1.6	Id: 5/6	



Sheet: /Interface/  
 File: interface.sch  
**Title:**  
 Size: A4 Date:  
 KiCad E.D.A. kicad 5.1.6 **Rev:**  
 Id: 6/6