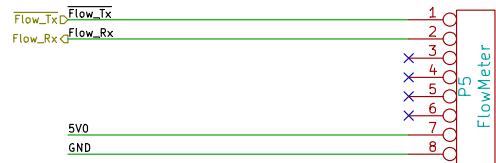
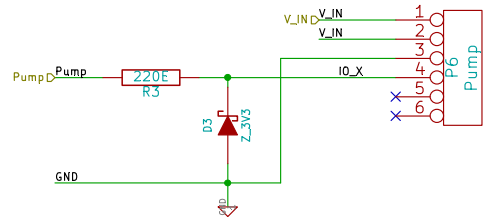


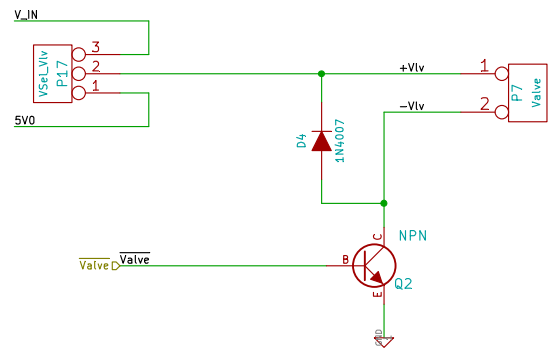
Pressure Sensor on SPI Bus
VOut Pressure signal to Analog Port



Flow Meter on Serial



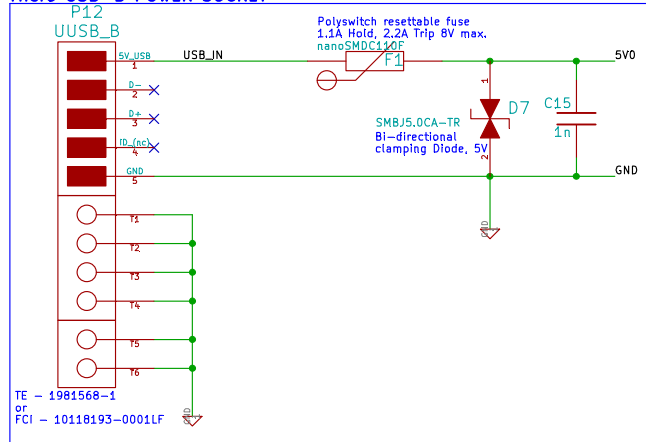
Pump on digital port
V_IN = 12V DC
Pump = Control signal from Controller
IO_X = 3V3 for pump control



Valve on digital PWM port
either 12V (V_IN) or 5V0

File: interface.sch		
Sheet: /Interface/		
Title:		
Size: A4	Date: 29 nov 2012	Rev:
KiCad E.D.A. eeschema (2012-01-19 BZR 3256)-stable		Id: 2/5

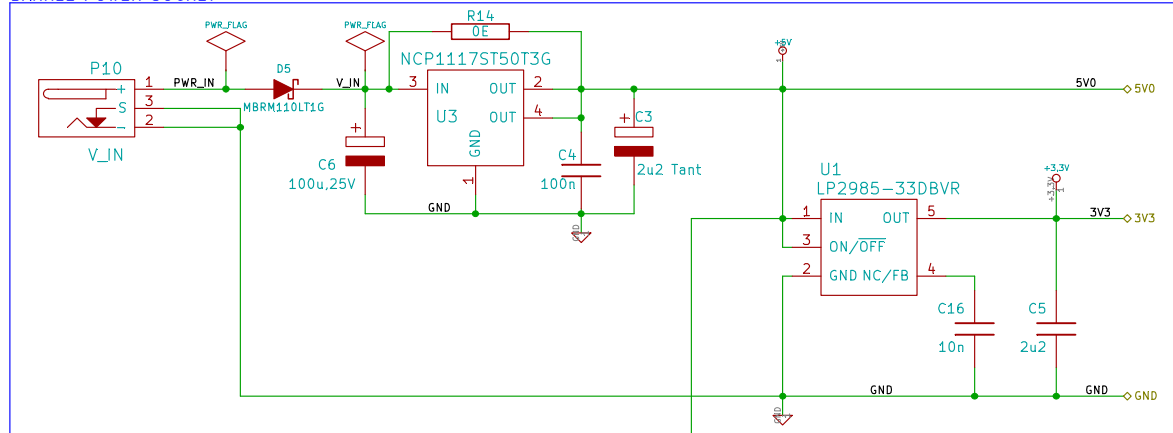
Micro USB-B POWER SOCKET



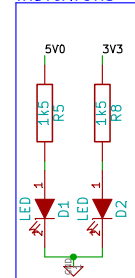
If using Micro USB -B socket,
DO NOT INSTALL :
P10, D5, U3
AND INSTALL
Resistor R14 across pins 2 and 3 of U3

If using Barrel Socket,
DO NOT INSTALL :
P12, F1, D7, C15, R14

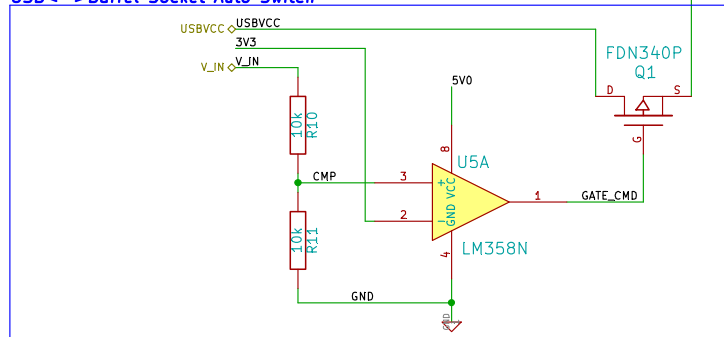
BARREL POWER SOCKET



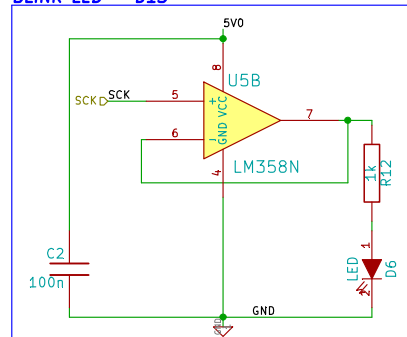
INDICATORS



USB<->Barrel Socket Auto Switch



BLINK LED - D13



Logo_Wyolum



G1
Logo_Wyolum



G2
Logo_OH



G3
Logo_OH



G4
PCB



PCB1

WyoLum

File: uControl_pwr.sch

Sheet: /pwr/

Title: uControl

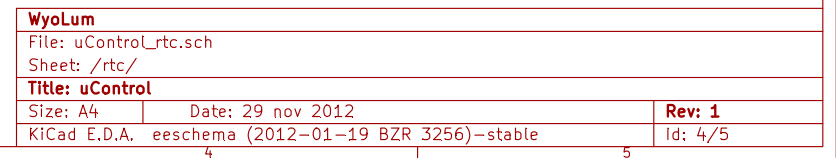
Size: A4

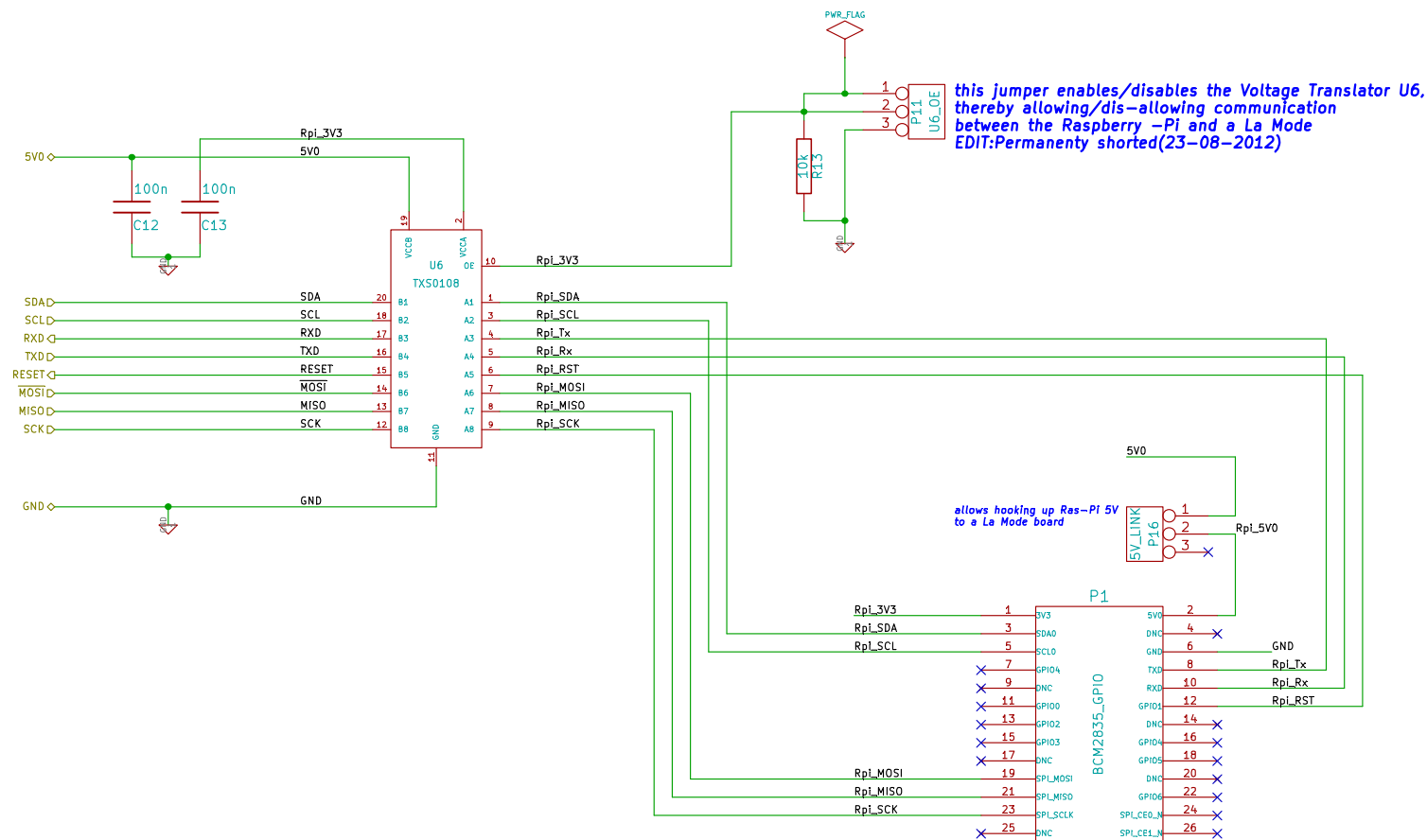
Date: 29 nov 2012

Rev: 1

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Id: 3/5





NOTE : GPIO voltage levels are 3v3 and are not 5v tolerant.

WyoLum		
File: uControl_RPi.sch		
Sheet: /RPi/		
Title: uControl		
Size: A4	Date: 29 nov 2012	Rev: 1
KiCad E.D.A. eeschema (2012-01-19 BZR 3256)-stable		Id: 5/5