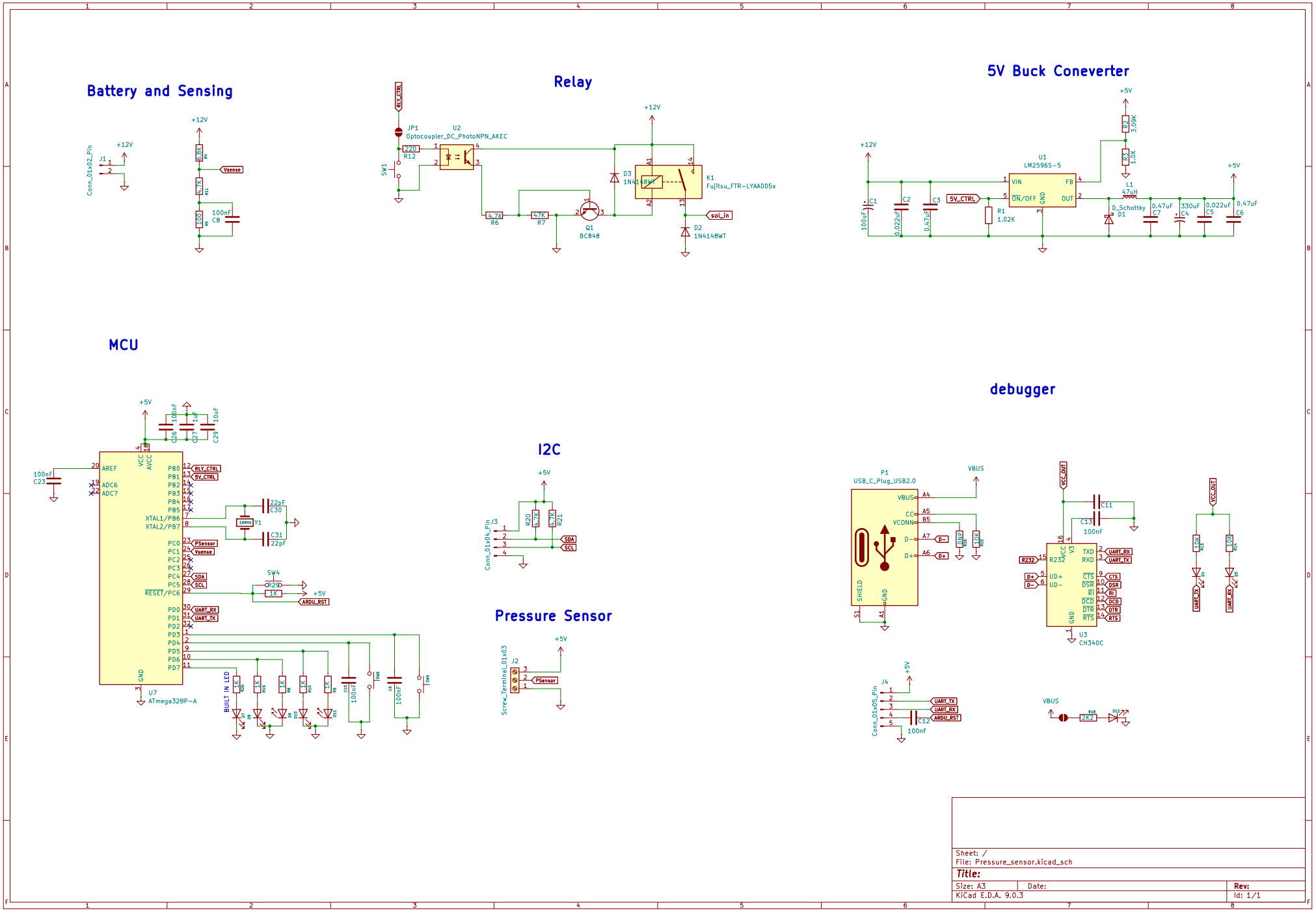
Battery and Sensing
Relay
5V Buck Coneverter
MCU
I2C
Pressure Sensor
debugger
Conn_01x02_Pin
J1
+12V
R1 6.8K
R2 4.7K
R3 100
Vsense
100nF C8
JP1
U2
Optocoupler_DC_PhotoNPN_AKEC
220 R12
SW1
RLY_CTRL
D3 1N4148WT
K1
Fujitsu_FTR-LYAA005x
sol_in
D2 1N4148WT
4.7K R6
47K R7
Q1 BC848
U1
LM2596S-5
VIN
ON/OFF
GND
FB
OUT
5V_CTRL
R1 1.02K
C1 100uF
C2 0.022uF
C3 0.47uF
R2 3.09K
R3 1.0K
L1 47uH
D_Schottky D1
C7 0.47uF
C4 330uF
C5 0.022uF
C6 0.47uF
+5V
AREF
ADC6
ADC7
VCC
AVCC
GND
PB0
PB1
PB2
PB3
PB4
PB5
XTAL1/PB6
XTAL2/PB7
PC0
PC1
PC2
PC3
PC4
PC5
RESET/PC6
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
U7
ATmega328P-A
100nF C23
C26 100nF
C27 1uF
C29 10uF
22pF C30
Y1 16MHz
C31 22pF
SW4
R29 1K
ARDU_RST
PSensor
SDA
SCL
UART_RX
UART_TX
BUILT IN LED
1K
100nF
Conn_01x04_Pin
J3
R20 4.7K
R21 4.7K
Screw_Terminal_01x03
J2
P1
USB_C_Plug_USB2.0
VBUS
CC
VCONN
D-
D+
SHIELD
5.1K
10K
VCC_OUT
C11
C13 100nF
R232
U3
CH340C
TXD
RXD
CTS
DSR
RI
DCD
DTR
RTS
UD+
UD-
J4
Conn_01x05_Pin
C12 100nF
2K2
Sheet: /
File: Pressure_sensor.kicad_sch
Title:
Size: A3
Date:
Rev:
KiCad E.D.A. 9.0.3
Id: 1/1