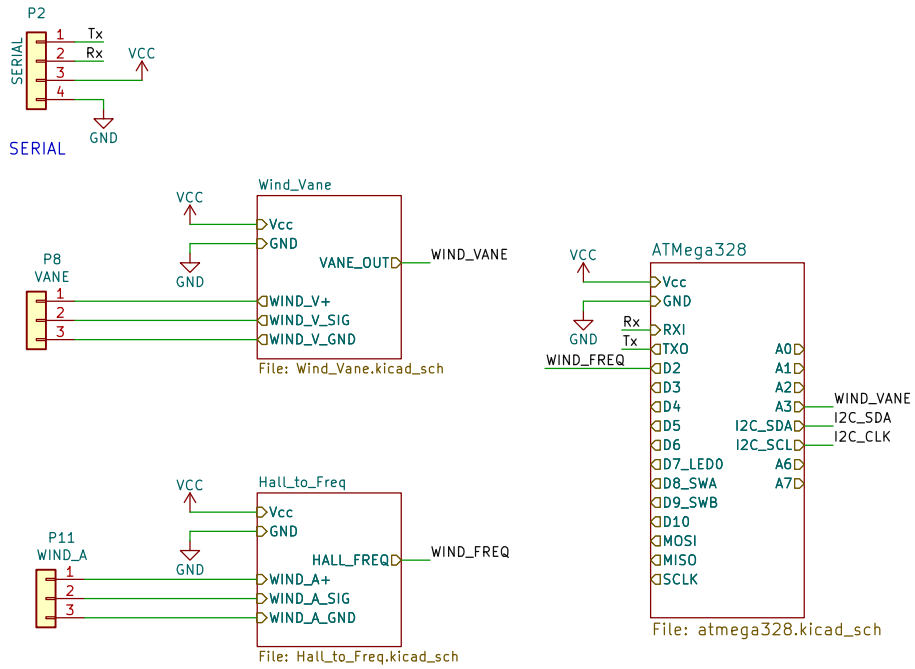
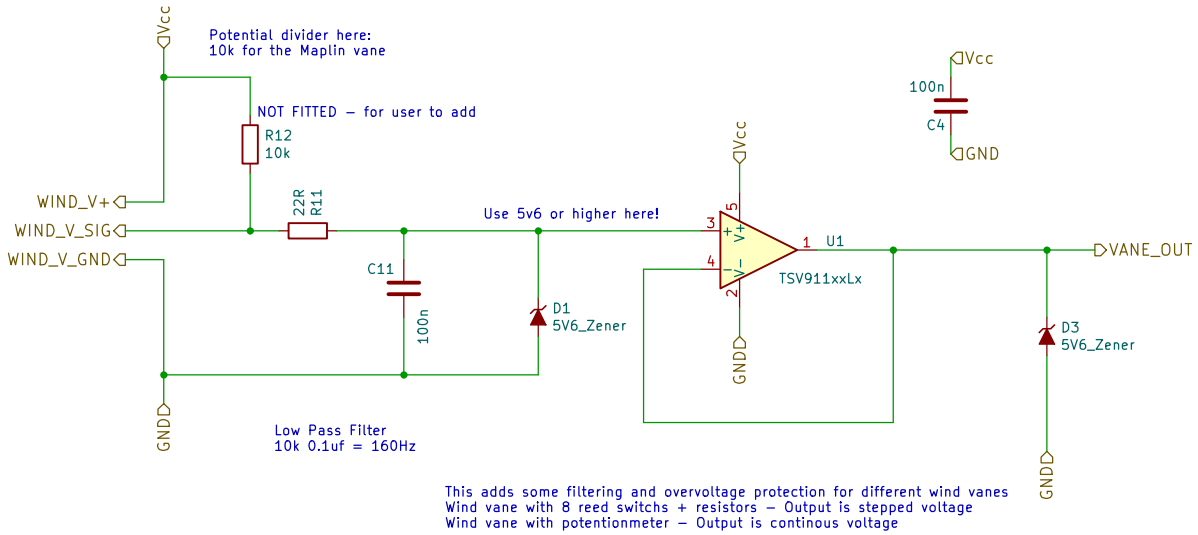

P2
SERIAL
1
2
3
4
Tx
Rx
VCC
GND
SERIAL
Wind_Vane
VCC
GND
Vcc
GND
VANE_OUT
WIND_VANE
P8
VANE
1
2
3
WIND_V+
WIND_V_SIG
WIND_V_GND
File: Wind_Vane.kicad_sch
ATMega328
VCC
GND
Vcc
GND
Rx
Tx
RXI
TXO
WIND_FREQ
D2
D3
D4
D5
D6
D7_LED0
D8_SWA
D9_SWB
D10
MOSI
MISO
SCLK
A0
A1
A2
A3
I2C_SDA
I2C_SCL
A6
A7
WIND_VANE
I2C_SDA
I2C_CLK
File: atmega328.kicad_sch
Hall_to_Freq
VCC
GND
Vcc
GND
HALL_FREQ
WIND_FREQ
P11
WIND_A
1
2
3
WIND_A+
WIND_A_SIG
WIND_A_GND
File: Hall_to_Freq.kicad_sch
P5
LOGO2
P6
PCB
P7
ENC
1
Sheet: /
File: WindSensorATMEGA328_PCB.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.5
Id: 1/4



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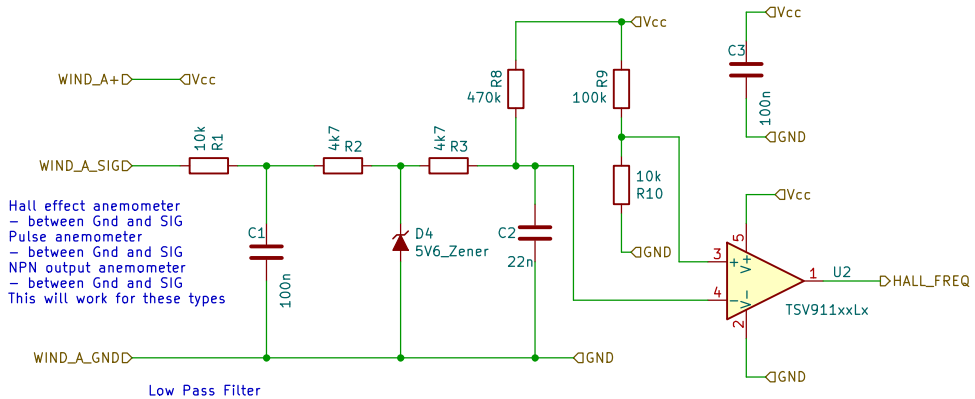
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.5		Id: 2/4



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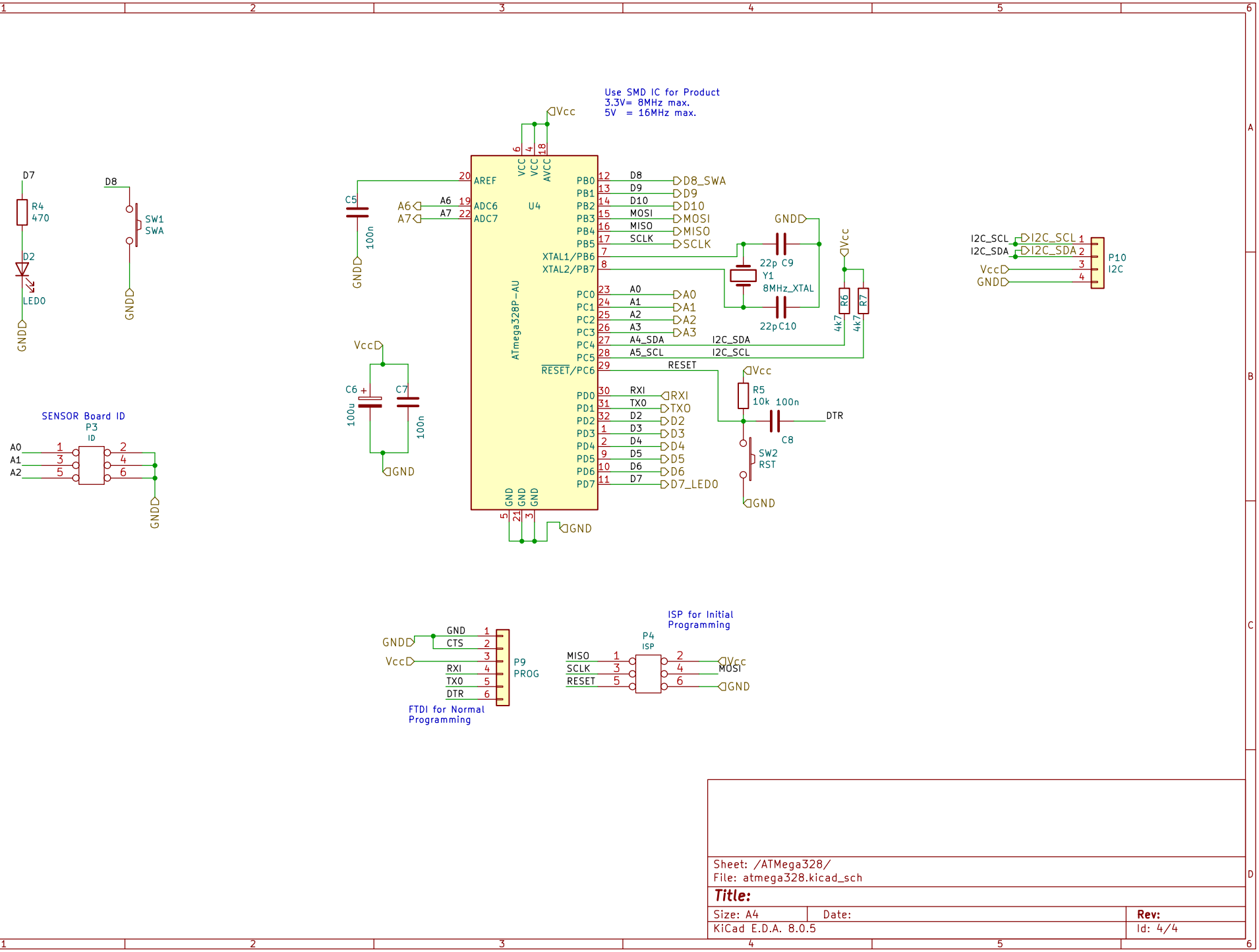
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 8.0.5		Id: 3/4


Use SMD IC for Product
3.3V= 8MHz max.
5V = 16MHz max.
U4
ATmega328P-AU
Vcc
GND
D7
R4
470
D2
LED0
D8
SW1
SWA
SENSOR Board ID
P3
ID
A0
A1
A2
C5
100n
C6
100u
C7
100n
22p C9
Y1
8MHz_XTAL
22p C10
R6
R7
4k7
R5
10k
C8
100n
DTR
SW2
RST
RESET
I2C_SDA
I2C_SCL
P10
I2C
P9
PROG
FTDI for Normal Programming
ISP for Initial Programming
P4
ISP
MISO
SCLK
MOSI
RXI
TXO
CTS
D8_SWA
D9
D10
D2
D3
D4
D5
D6
D7_LED0
SCLK
MISO
MOSI
A0
A1
A2
A3
A4_SDA
A5_SCL
AREF
ADC6
ADC7
VCC
AVCC
XTAL1/PB6
XTAL2/PB7
RESET/PC6
Sheet: /ATMega328/
File: atmega328.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 8.0.5
Id: 4/4