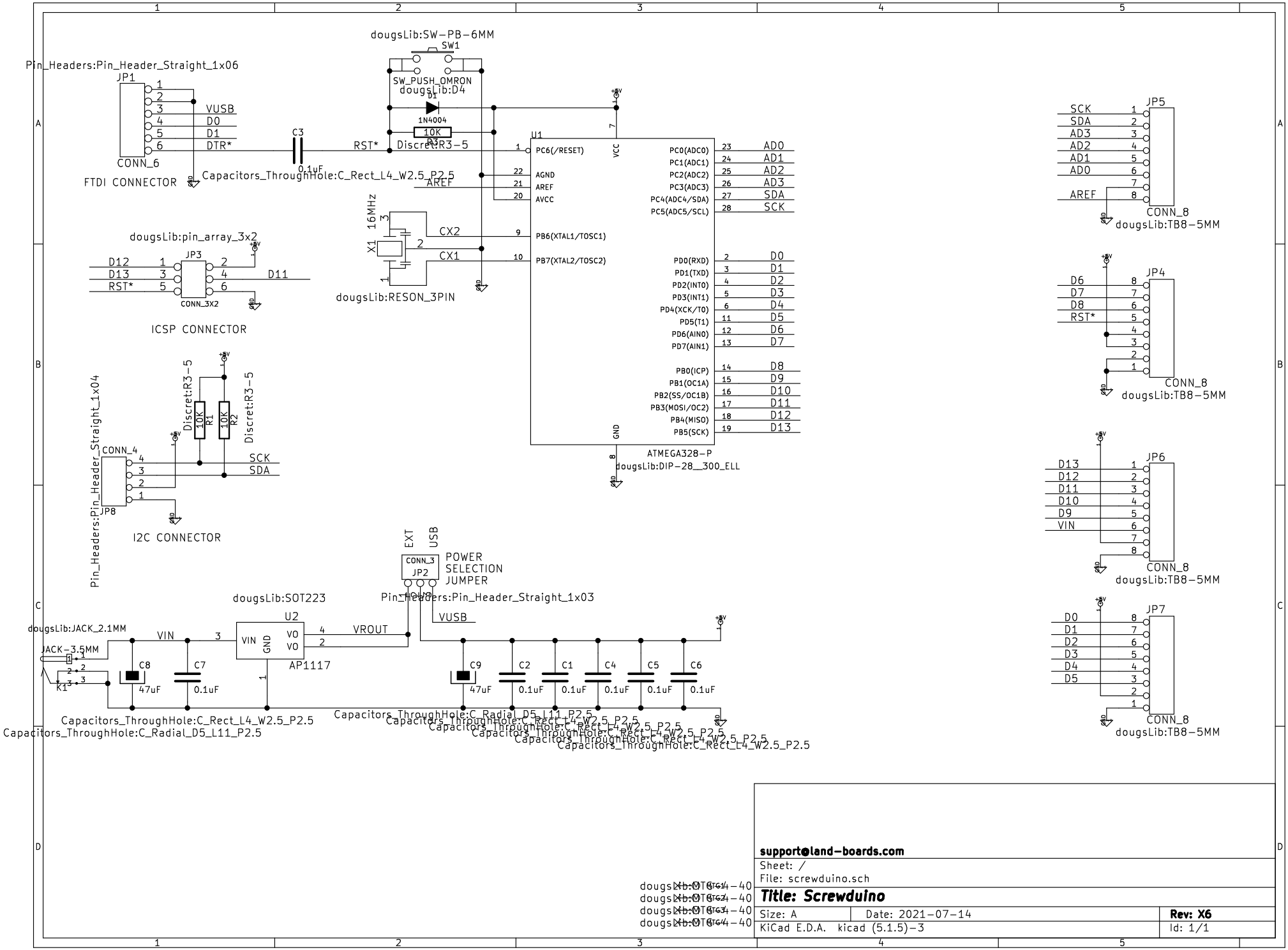
Pin_Headers:Pin_Header_Straight_1x06
JP1
VUSB
D0
D1
DTR*
CONN_6
FTDI CONNECTOR
C3
0.1uF
Capacitors_ThroughHole:C_Rect_L4_W2.5_P2.5
RST*
dougsLib:SW-PB-6MM
SW1
SW_PUSH_OMRON
dougsLib:D4
D1
1N4004
10K
R3
Discret:R3-5
AREF
U1
PC6(/RESET)
AGND
AREF
AVCC
VCC
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
GND
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
AD0
AD1
AD2
AD3
SDA
SCK
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
ATMEGA328-P
dougsLib:DIP-28__300_ELL
16MHz
X1
CX2
CX1
dougsLib:RESON_3PIN
dougsLib:pin_array_3x2
JP3
D12
D13
RST*
D11
CONN_3X2
ICSP CONNECTOR
Pin_Headers:Pin_Header_Straight_1x04
CONN_4
JP8
Discret:R3-5
10K
R1
R2
SCK
SDA
I2C CONNECTOR
EXT
USB
CONN_3
JP2
POWER
SELECTION
JUMPER
Pin_Headers:Pin_Header_Straight_1x03
VUSB
dougsLib:SOT223
U2
VIN
GND
VO
VO
AP1117
VROUT
dougsLib:JACK_2.1MM
JACK-3.5MM
K1
C8
47uF
C7
0.1uF
C9
47uF
C2
C1
C4
C5
C6
0.1uF
Capacitors_ThroughHole:C_Rect_L4_W2.5_P2.5
Capacitors_ThroughHole:C_Radial_D5_L11_P2.5
JP5
SCK
SDA
AD3
AD2
AD1
AD0
AREF
CONN_8
dougsLib:TB8-5MM
JP4
D6
D7
D8
RST*
JP6
D13
D12
D11
D10
D9
VIN
JP7
D0
D1
D2
D3
D4
D5
dougsLib:MTG4-40
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File: screwduino.sch
Title: Screwduino
Size: A
Date: 2021-07-14
Rev: X6
KiCad E.D.A. kicad (5.1.5)-3
Id: 1/1