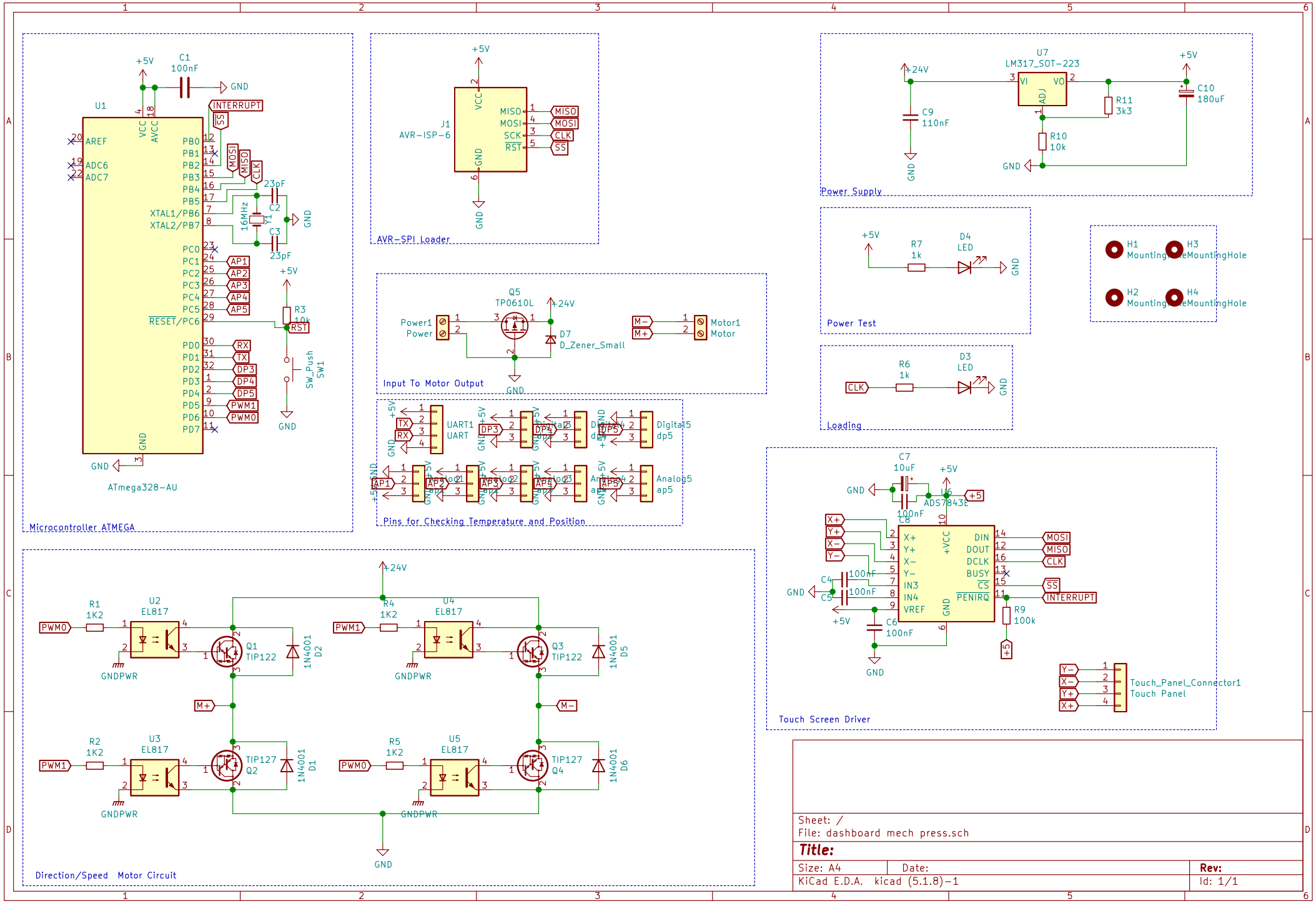
Microcontroller ATMEGA
U1
ATmega328-AU
C1 100nF
+5V
GND
INTERRUPT
SS
MOSI
MISO
CLK
23pF
C2
C3
Y1 16MHz
XTAL1/PB6
XTAL2/PB7
AREF
ADC6
ADC7
VCC
AVCC
PB0
PB1
PB2
PB3
PB4
PB5
PC0
PC1
PC2
PC3
PC4
PC5
RESET/PC6
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
AP1
AP2
AP3
AP4
AP5
RX
TX
DP3
DP4
DP5
PWM1
PWM0
R3 10k
RST
SW_Push SW1
AVR-ISP Loader
J1 AVR-ISP-6
VCC
GND
MISO
MOSI
SCK
RST
CLK
SS
Input To Motor Output
Q5 TP0610L
+24V
Power1 Power
D7 D_Zener_Small
M-
M+
Motor1 Motor
Pins for Checking Temperature and Position
UART1 UART
Digital3 dp3
Digital4 dp4
Digital5 dp5
Analog1 ap1
Analog2 ap2
Analog3 ap3
Analog4 ap4
Analog5 ap5
Direction/Speed Motor Circuit
R1 1K2
R2 1K2
R4 1K2
R5 1K2
U2 EL817
U3 EL817
U4 EL817
U5 EL817
Q1 TIP122
Q2 TIP127
Q3 TIP122
Q4 TIP127
1N4001 D1
1N4001 D2
1N4001 D5
1N4001 D6
GNDPWR
PWM0
PWM1
Power Supply
U7 LM317_SOT-223
VI
VO
ADJ
C9 110nF
R10 10k
R11 3k3
C10 180uF
Power Test
R7 1k
D4 LED
Loading
R6 1k
D3 LED
H1 MountingHole
H2 MountingHole
H3 MountingHole
H4 MountingHole
Touch Screen Driver
C7 10uF
C8 100nF
U6 ADS7843E
+5
X+
Y+
X-
Y-
IN3
IN4
VREF
+VCC
DIN
DOUT
DCLK
BUSY
CS
PENIRQ
C4 100nF
C5 100nF
C6 100nF
R9 100k
Touch_Panel_Connector1 Touch Panel
Sheet: /
File: dashboard mech press.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (5.1.8)-1
Id: 1/1