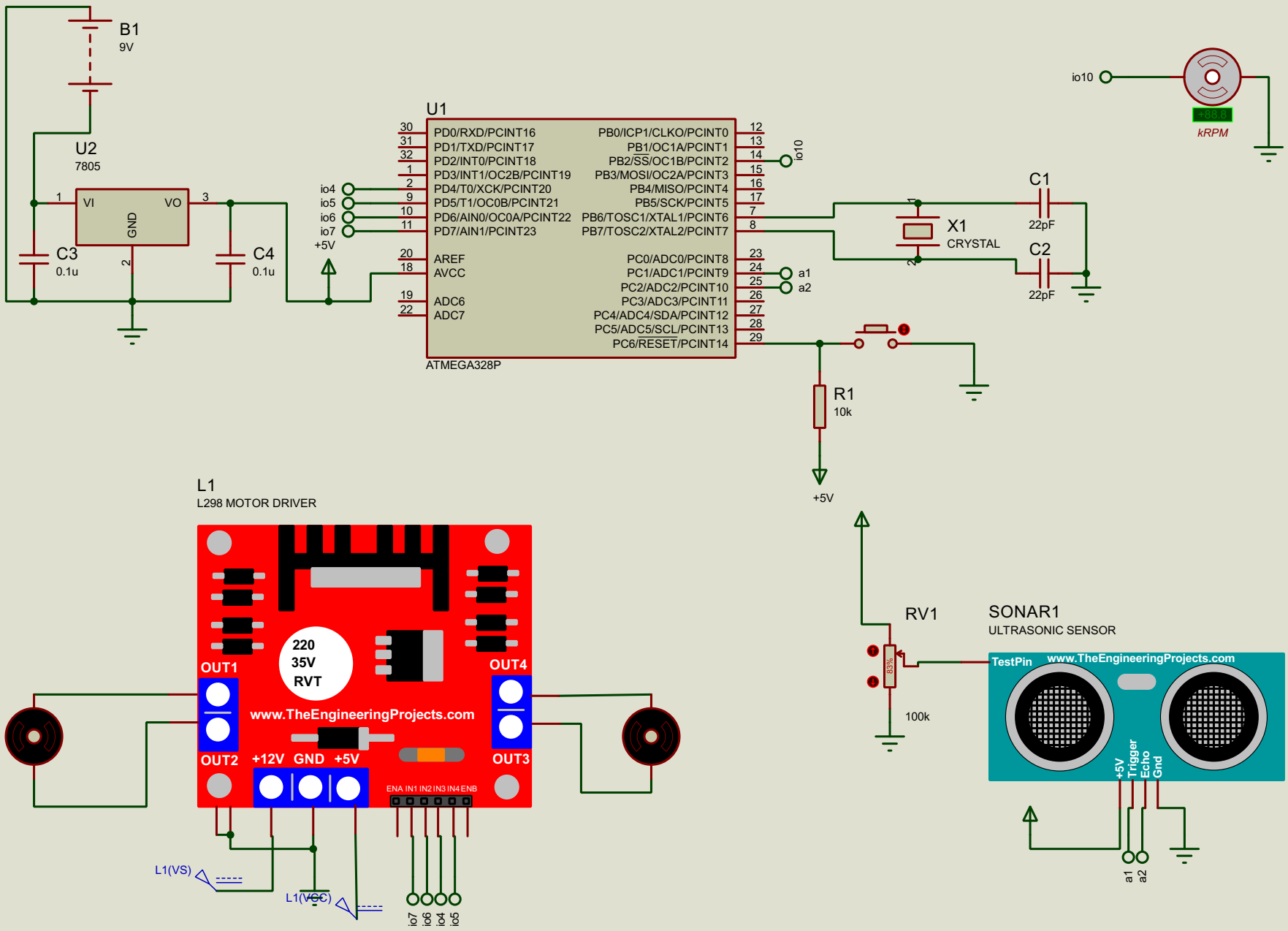
B1
9V
U2
7805
VI
VO
GND
C3
0.1u
C4
0.1u
U1
ATMEGA328P
PD0/RXD/PCINT16
PD1/TXD/PCINT17
PD2/INT0/PCINT18
PD3/INT1/OC2B/PCINT19
PD4/T0/XCK/PCINT20
PD5/T1/OC0B/PCINT21
PD6/AIN0/OC0A/PCINT22
PD7/AIN1/PCINT23
AREF
AVCC
ADC6
ADC7
PB0/ICP1/CLKO/PCINT0
PB1/OC1A/PCINT1
PB2/SS/OC1B/PCINT2
PB3/MOSI/OC2A/PCINT3
PB4/MISO/PCINT4
PB5/SCK/PCINT5
PB6/TOSC1/XTAL1/PCINT6
PB7/TOSC2/XTAL2/PCINT7
PC0/ADC0/PCINT8
PC1/ADC1/PCINT9
PC2/ADC2/PCINT10
PC3/ADC3/PCINT11
PC4/ADC4/SDA/PCINT12
PC5/ADC5/SCL/PCINT13
PC6/RESET/PCINT14
io4
io5
io6
io7
+5V
io10
a1
a2
X1
CRYSTAL
C1
22pF
C2
22pF
R1
10k
+5V
io10
kRPM
L1
L298 MOTOR DRIVER
220
35V
RVT
OUT1
OUT2
OUT3
OUT4
www.TheEngineeringProjects.com
+12V
GND
+5V
ENA IN1 IN2 IN3 IN4 ENB
L1(VS)
L1(VCC)
io7
io6
io4
io5
RV1
100k
SONAR1
ULTRASONIC SENSOR
TestPin
www.TheEngineeringProjects.com
+5V
Trigger
Echo
Gnd
a1
a2