R1 100
R2 100

p1
p2
led1
led2

U2
7805
+9v
VI
GND
VO
VCC

C1
22pF
C2
22pF
GND

X1
CRYSTAL

U1
RES
9 RESET
13 XTAL1
12 XTAL2
40 PA0/ADC0
39 PA1/ADC1
38 PA2/ADC2
37 PA3/ADC3
36 PA4/ADC4
35 PA5/ADC5
34 PA6/ADC6
33 PA7/ADC7
1 PB0/T0/XCK
2 PB1/T1
3 PB2/AIN0/INT2
4 PB3/AIN1/OC0
5 PB4/SS
6 PB5/MOSI
7 PB6/MISO
8 PB7/SCK

PC0/SCL 22
PC1/SDA 23
PC2/TCK 24
PC3/TMS 25
PC4/TDO 26
PC5/TDI 27
PC6/TOSC1 28
PC7/TOSC2 29

PD0/RXD 14
PD1/TXD 15
PD2/INT0 16
PD3/INT1 17
PD4/OC1B 18
PD5/OC1A 19
PD6/ICP1 20
PD7/OC2 21

AREF 32
AVCC 30

ATMEGA32

VCC
C3 10uF
R3 10k
GND
RES

p1
p2

GND

led1
D1
A K
led2

led1
D3
A K
led2GND
D2
A
led2

led1
D4
A K
GND
D5
A K
GND
D6
A K
led2

led1
D8
A K
GND
D7
A K
GND