U1

ATMEGA328

7 Vcc

1 PC6_(PCINT14/RESET)

20 AVcc
21 Aref

9 PB6_(PCINT6/XTAL1/TOSC1)
10 PB7_(PCINT7/XTAL2/TOSC2)

8 Gnd
22 AGnd

(SCK/PCINT5)_PB5 19
(MISO/PCINT4)_PB4 18
(MOSI/OC2A/PCINT3)_PB3 17
(SS/OC1B/PCINT2)_PB2 16
(OC1A/PCINT1)_PB1 15
(PCINT0/CLK0/ICP1)_PB0 14

(ADC5/SCL/PCINT13)_PC5 28
(ADC4/SDA/PCINT12)_PC4 27
(ADC3/PCINT11)_PC3 26
(ADC2/PCINT10)_PC2 25
(ADC1/PCINT9)_PC1 24
(ADC0/PCINT8)_PC0 23

(PCINT23/AIN1)_PD7 13
(PCINT22/OC0A/AIN0)_PD6 12
(PCINT21/OC0B/T1)_PD5 11
(PCINT20/XCK/T0)_PD4 6
(PCINT19/OC2B/INT1)_PD3 5
(PCINT18/INT0)_PD2 4
(PCINT17/TXD)_PD1 3
(PCINT16/RXD)_PD0 2

R1 100

R2 100

R3 100

D1 LED
D2 LED
D3 LED
D4 LED
D5 LED
D6 LED

Arduino pins:
4, 3, 2

Microcontroller on Arduino or other break-out board.

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