LCD 20X4

www.TheEngineeringProjects.com

RV3

10k

VSS VDD VEE RS RW E D0 D1 D2 D3 D4 D5 D6 D7

ARDUINO

microcontrolandos.blogspot.com

RESET

AREF

PB5/SCK   13
PB4/MISO   12
PB3/MOSI/OC2A   11
~ PB2/SS/OC1B   10
~PB1/OC1A   9
PB0/ICP1/CLKO   8

PD7/AIN1   7
~PD6/AIN0   6
PD5/T1   5
PD4/T0/XCK   4
~PD3/INT1   3
PD2/INT0   2
TX PD1/TXD   1
RX PD0/RXD   0

ANALOG IN

A0 PC0/ADC0
A1 PC1/ADC1
A2 PC2/ADC2
A3 PC3/ADC3
A4 PC4/ADC4/SDA
A5 PC5/ADC5/SCL

1121
ATMEGA328P-PU

DIGITAL (~PWM)

ARDUINO UNO R3

RV2

50%

10k

+12

5   IN1   VCC   VS
7   IN2
10 IN3   OUT1   2
12 IN4   OUT2   3
6   ENA
11 ENB   OUT3   13
                  OUT4   14
1   SENSA
15 SENSB   GND

L298 MOTOR DRIVER

L298

8

STEPPER MOTOR

+88.8

BT_F   BT_S   BT_B   BT_C

Clockwise   Stop   AntiClockwise   Counter