U1
ATmega328-P

+5V

AREF 21

VCC 7
AVCC 20

PB0 14
PB1 15
PB2 16
PB3 17
PB4 18
PB5 19
XTAL1/PB6 9
XTAL2/PB7 10

PC0 23
PC1 24
PC2 25
PC3 26
PC4 27
PC5 28
RESET/PC6 1

PD0 2
PD1 3
PD2 4
PD3 5
PD4 6
PD5 11
PD6 12
PD7 13

GND 8

+5V

RV2
10k
2
GND

DS1
JHD162A-B-W

+5V
2 VDD

E 6
R/W 5
RS 4

VO 3

LED(+) 15
LED(-) 16

D0 7
D1 8
D2 9
D3 10
D4 11
D5 12
D6 13
D7 14

VSS 1
GND

+5V

RV1
10k
2
GND