

J1-J4 = JUMPER

VR1
10K

DIS1
GLCD1
JHD12864E

4.7K
R2

LIDAR RADAR
2.C.DWIVEDI

LEDK
LEDA
Vout
RST
CS2
DB7
DB6
DB5
DB4
DB3
DB2
DB1
DB0
EN
R/W
RS
V0
Vcc
Vss

R4
560E

R5
4.7K

BOARD1
ARDUINO NANO

D6
D5
D4
D3
D2
D1
GND
RX1
TX1

D7
A0
A1
A3
A4
A5
5V
GND
VIn

CON2
VL5310X
GND
VIn

R3
3.3K

LED2
OBST

DR1
A4988

REF**

M1
1 2 3 4
STEPPER MOTOR

C2
10u,16V

C5
0.1u

C3
10u,16V

C1
470u,25V

LM7805
IC1
K
D1
1N4007

S1
ON/OFF SWITCH

CON1
DC IN
8V-12V

R7
3.3K

R6
3.3K

LED4
LEFT

LED3
RIGHT

LED1
POWER

R1
3.3K

C4
10u,16V

J1

J2

J3

J4