



9V barrel Jack

VIN

GND

10u

1
GND
2
V1 +5V
3
7805

100u

VIN 1
VCC 2
5V 3

voltage selection

USB B Socket

1
V+
2
D-
3
D+
4
GND
5
SHD
6
SHD

1N4001

PWR

10k

5V

VIN 1
GND 2
GND 3
5V 4
5V 5
RST 6
7
8

Power Header

1
2
3
4
5
6

Analogue Header

REBET

RST_H

RST_L

RST

RST_H

RST_L

RST

VCC

10k

TROLLDUINO V1.0

R1

R2

C

DISC

THRSH

TR10

5
CON VCC
4
RST
7
DIS OUT
6
THRES
2
TR10
1
GND
U3

OUT_H

OUT

LED

CONT

10nF

1
2
3
4
5
6
7
8

Digital IO header 2

1
2
3
4
5
6
7
8

Digital IO Header 1