

Barrel jack port outputs 9V connected to a fuse in case too much power is outputed. That connects to a voltage regulator that outputs 5V and 1.5A current.

Edited by BJW

An ultrasonic sensor is sending out a digital signal to the microcontroller through the Echo and is receiving a signal back through the Trigger

LED for testing if the sensor is working

Switch used for debugging

U1 PIC18F57Q43_BW Pinout:

Pin	Signal	Pin	Signal
1	NC	56	4
2	ID	55	3
3	RF0	54	2
4	RF1	53	1
5	RB6	52	0
6	RB4	51	0
7	RC2	50	6
8	RC3	49	5
9	RB2	48	4
10	RB1	47	3
11	RC4	46	2
12	RC5	45	1
13	RC6	44	0
14	RD4	43	1
15	GND	42	0
16	RA3	41	2
17	RA4	40	1
18	RE2	39	0
19	RC7	38	5
20	RD0	37	4
21	RD1	36	3
22	RD2	35	2
23	RD3	34	1
24	GND	33	0
25	RF0	32	4
26	RF1	31	3
27	RF2	30	2
28	RF3	29	1
29	RC0	28	0
30	RC1	27	0
31	RC2	26	0
32	RC3	25	0
33	RC4	24	0
34	RC5	23	0
35	RC6	22	0
36	RC7	21	0
37	RD0	20	0
38	RD1	19	0
39	RD2	18	0
40	RD3	17	0
41	RD4	16	0
42	RD5	15	0
43	RD6	14	0
44	RD7	13	0
45	RD8	12	0
46	RD9	11	0
47	RD10	10	0
48	RD11	9	0
49	RD12	8	0
50	RD13	7	0
51	RD14	6	0
52	RD15	5	0
53	RD16	4	0
54	RD17	3	0
55	RD18	2	0
56	RD19	1	0

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