

CANADUINO MEGA2560 DIY PLC Parts List

Version 1.3

#	Quantity	Name	Value	Package
1	8	C1, C4, C5, C8, C9, C12, C15, C18	2.2μF / >16V	ceramic 5mm
2	8	C2, C3, C6, C7, C10, C11, C16, C17	100nF / >16V	ceramic 2.5mm
3	2	C13, C14	680μF / >35V	electrolytic D14 / 5mm
4	1	C19	1000μF / >16V	electrolytic D10 / 5mm
5	1	C20	100μF / >10V	electrolytic D5 / 2mm
6	2	C21, C22	47μF / >16V	electrolytic D6 / 2.5mm
7	1	D1	1N5400	DO201AD
8	1	D2	RUN LED	3mm green
9	1	D3	1N5820	DO201AD
10	16	D4, D5, D7, D8, D10, D11, D13, D14, D16, D17, D19, D20, D22, D23, D25, D26	Input LEDs	3mm yellow
11	14	D6, D9, D12, D15, D18, D21, D24, D27, D28, D29, D30, D31, D32, D33	Output LEDs	3 mm red
12	1	F1	T2A	5x20mm
13	2	F1	Fuse Clips	5x20mm
14	1	F2	100mA	Multifuse MF-R010
15	1	Heat Sink	Assmann V6560W	30x25mm 10K/W
16	1	Hardware for Heat Sink	Nut, Screw, Washer	M3
17	2	IC1, IC2	LM224N	DIL14
18	1	IC3	7805	TO220
19	1	IC4	LM2576T-ADJ	TO220/5 with bent leads
20	4	IC6, IC7, IC9, IC10	K847PH	DIL16
21	2	IC8, IC11	ULN2003AP	DIL16
22	1	IC12	MAX233CPP	DIL20
23	2	IC1, IC2	DIP IC socket	DIL14
24	6	IC6 - IC11	DIP IC socket	DIL16
25	1	IC12	DIP IC socket	DIL20
26	1	Power	Terminal 2x2 pole	5.08mm pitch
27	1	I2C	female header	1x4 2,54mm
28	1	SPI	female header	1x5 2,54mm
29	1	analog out	Terminal 4x3 pole	5.08mm pitch
30	1	relay out	Terminal 8x3 + 2x2 pole	5.08mm pitch
31	1	digital in	Terminal 4x3 + 2x2 pole	5.08mm pitch
32	1	analog in	Terminal 2x3 + 2x2 pole	5.08mm pitch
33	1	AUX	male header	2x8 2.54mm
34	1	RS232	D-Sub	9-pol male PCB mount
35	1	L1	220μH	D13 / 5mm
36	1	L2	22μH	D9 / 5mm
37	14	Q1 - Q14	relay	OMRON G5NB-1A-E
38	2	R1, R4	4x22k	SIL8
39	2	R2, R5	4x560	SIL8
40	2	R3, R6	4x22k	SIL5
41	2	R7, R8	4x10k	SIL8
42	1	R9	3k3	0207
43	1	R10	22k	0207
44	1	R11	10k	VISHAY 64W
45	1	R12	8x22k	SIL9
46	2	R13, R16	8x1k	SIL9
47	2	R14, R21	7x2k7	SIL8
48	2	R15, R17	8x3k9	SIL9
49	1	R18	1k	0207
50	4	R19, R20, R22, R23	4x27k	SIL8
51	1	S1	RUN Switch	single pole slide 10X2,5mm
52	1	S2	RESET Switch	tactile push button 6x6mm