

CANADUINO MEGA2560 300-24 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 | 2 | C13, C14 | 680μF / >35V | electrolytic D14 / 5mm |
| 3 | 1 | C19 | 1000μF / >16V | electrolytic D10 / 5mm |
| 4 | 8 | C2, C3, C6, C7, C10, C11, C16, C17 | 100nF / >16V | ceramic 2.5mm |
| 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 | Hardware for Heat Sink | Nut, Screw, Washer | M3 |
| 16 | 1 | Heat Sink | Assmann V6560W | 30x25mm 10K/W |
| 17 | 2 | IC1, IC2 | LM224N | DIL14 |
| 18 | 2 | IC1, IC2 | DIP IC socket | DIL14 |
| 19 | 1 | IC12 | MAX233CPP | DIL20 |
| 20 | 1 | IC12 | DIP IC socket | DIL20 |
| 21 | 1 | IC3 | 7805 | TO220 |
| 22 | 1 | IC4 | LM2576T-ADJ | TO220/5 with bent leads |
| 23 | 6 | IC6 - IC11 | DIP IC socket | DIL16 |
| 24 | 4 | IC6, IC7, IC9, IC10 | K847PH | DIL16 |
| 25 | 2 | IC8, IC11 | ULN2003AP | DIL16 |
| 26 | 1 | L1 | 220μH | D13 / 5mm |
| 27 | 1 | L2 | 22μH | D9 / 5mm |
| 28 | 1 | Header dual row | male 1x40 position | 2.54mm |
| 29 | 1 | Header I2C | female 1x4 position | 2.54mm |
| 30 | 1 | Header single row | male 2x40 position | 2.54mm |
| 31 | 1 | Header SPI | female 1x5 position | 2.54mm |
| 32 | 8 | Power, Input and Output Terminals | Terminal 2 pole | 5.08mm |
| 33 | 18 | Power, Input and Output Terminals | Terminal 3 pole | 5.08mm |
| 34 | 14 | Q1 - Q14 | relay | OMRON G5NB-1A-E |
| 35 | 2 | R1, R4 | 4x22k | SIL8 |
| 36 | 1 | R10 | 22k | O207 |
| 37 | 1 | R11 | 10k | VISHAY 64W |
| 38 | 1 | R12 | 8x22k | SIL9 |
| 39 | 2 | R13, R16 | 8x1k | SIL9 |
| 40 | 2 | R14, R21 | 7x2k7 | SIL8 |
| 41 | 2 | R15, R17 | 8x3k9 | SIL9 |
| 42 | 1 | R18 | 1k | O207 |
| 43 | 4 | R19, R20, R22, R23 | 4x27k | SIL8 |
| 44 | 2 | R2, R5 | 4x560 | SIL8 |
| 45 | 2 | R3, R6 | 4x22k | SIL5 |
| 46 | 2 | R7, R8 | 4x10k | SIL8 |
| 47 | 1 | R9 | 3k3 | O207 |
| 48 | 1 | RS232 | D-Sub | 9-pol male PCB mount |
| 49 | 1 | S1 | RUN Switch | single pole slide 10X2.5mm |
| 50 | 1 | S2 | RESET Switch | tactile push button 6x6mm |
| 51 | 1 | MCU | Arduino MEGA 2560 Rev3 | Module |
| 52 | 1 | Real Time Clock & Micro-SD Module | RTC.SD | Module |
| 53 | 1 | DIN Rail Tray | Mounting Hardware | Plastic, green |

Parts in orange: Not included in base kit.

Parts in black: Included in base kit.