

48 Channel Mono/16 Channel RGB LED Controller Version 2 Update

Version 2 has significant upgrades to overall design, parts placement, part selection, and noise protection. The pinouts of the terminals, button, ICSP header are all the same as version 1. Power connector has been replaced with a more convient and suitable screw down terminal. The assembly instructions found for version 1 hardware still apply, but the parts IDs will be different, with some additional parts. The information here supercedes what is found on the available datasheet. Contact with any questions.

Part ID:	Value	Package	Case Markings:
7805	7805TV	TO220V	TO-220 with Metal Tab
BUTTONS	4-Pin Polarized	0.1" Pin Spacing	White with 4-pins
C1	22pF	C025-024X044	22J
C2	22pF	C025-024X044	22J
C3	220nF	C050-024X044	224K
C4	0.1uF	C025-025X050	104, small yellow
C5	0.1uf	C025-024X044	104, small yellow
C6	0.1uf	C025-024X044	104, small yellow
C7	0.1uf	C025-024X044	104, small yellow
C8	0.01uf	C025-024X044	103M, round orange
C9	0.001uf	C025-024X044	102, UNUSED
C10	1uF	E2,5-5	1uF, blue can with black stripe(stripe side negative)
C11	10uF	E2,5-5	10uf, black can with white stripe(stripe side negative)
OSC	20mHz	HC49/S	Series, 200ECSXR silver can
PIC18F2550	PIC18F2455/2550	DIL28	
POWER	3 Position	5.08mm Spacing	Blue Terminal with screws
R1	Varies	0204/5	
R2	varies	0204/5	
R3	varies	0204/5	
R4	22	0204/5	Resistor, red-red-black
R5	22	0204/5	Resistor, red-red-black
R6	100k	0204/5	Resistor, brown-black-yellow
R7	100k	0204/5	Resistor, brown-black-yellow
R8	10k	0204/5	Resistor, brown-black-orange
R9	2k2	0204/5	Resistor, red-red-red
RN1	10k	RN-5	Resistor, yellow with 5 pins

