

# RL1200 – v1 fixes

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The first version (v1) of this board has some issues that required a bill of materials change and corrections to the silkscreen markings:

Part	Old Value (Silkscreen)	New value	Notes
R4	4.7M 1/4W	2.2M 1/4W	
R62-R65	100K 1/4W	33K 1/4W	
R56	2.2K 1/4W	3.8K 1/4W	Adjust as needed for output up to 190VDC max for nixie
C1,C2, C4-C8, C10, C11, C14, C15	220uF 16V	470uF 16V	Increased capacitance to overcome poor ground/power bounce on board

Routing errors on the board require a few manual modifications with wires:

1. Connect K42 pin 4 and 5 together with a wire
2. Connect K35 pin 6 to K1 pin 8 with a wire
3. Cut 2 traces leading to pin 13 of U1 (CD4521) and rewire to pin 14 so clock runs off 1Hz.
  - a. Incorrect routing was to 2Hz output so the clock would run 2x too fast.

