



Bitmain APW12 upgrade

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For using PSU in overclocked miners

Method 1. Add two resistors in FAN IC circuit and wire jumper

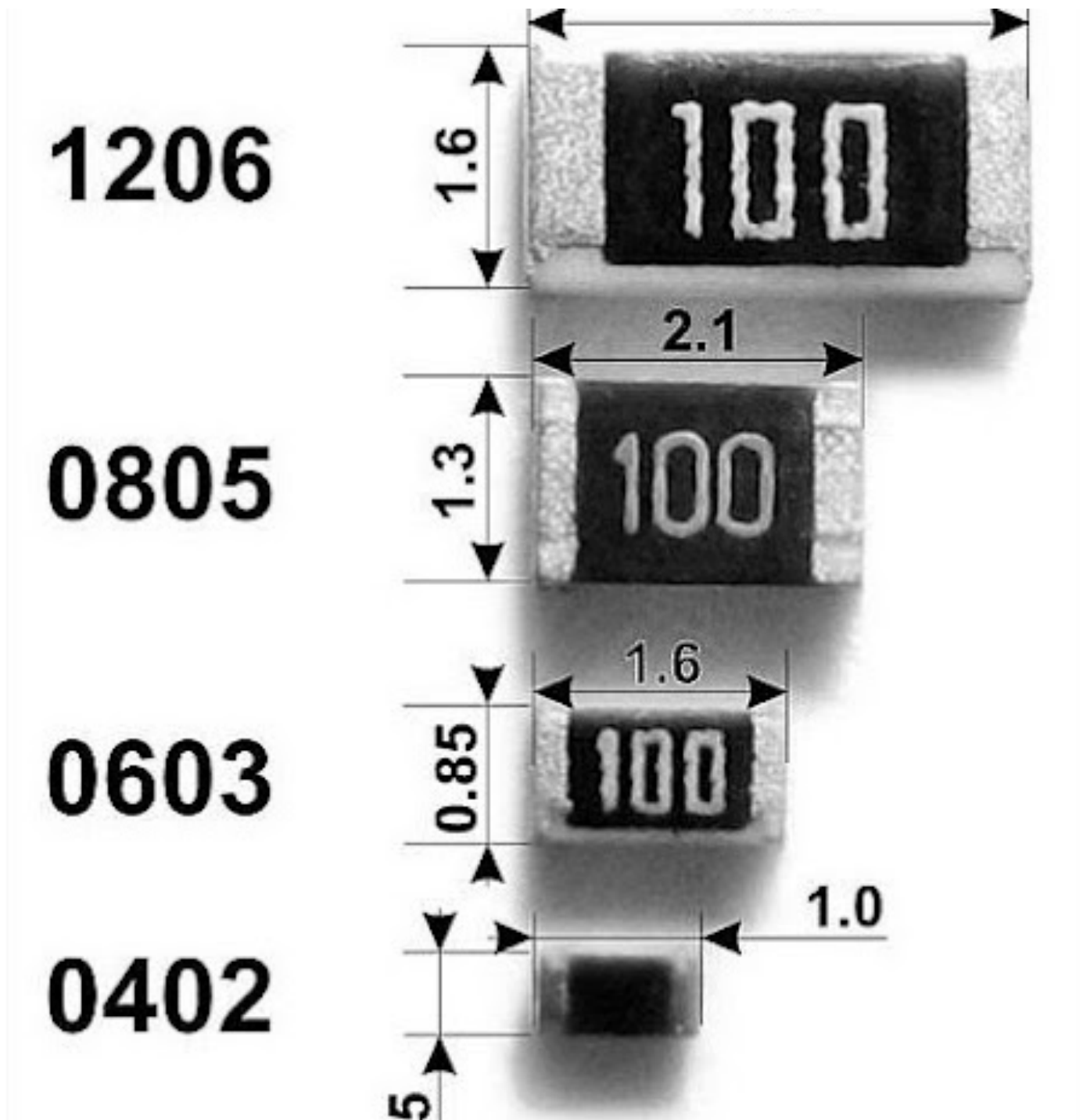


Bitmain APW12 upgrade



Step 1

Prepare PSU and parts for upgrade. And soldering tool. Hot air station.



Step 2

For upgrade, you need to use two resistors 1206 size. Nominals of 56 Ohm 5% and 4.3 Ohm 1% and wire jumper

<https://www.amazon.com/100pcs-1206-Resistor-chip-0-25W/dp/B07YQ8FXG4>



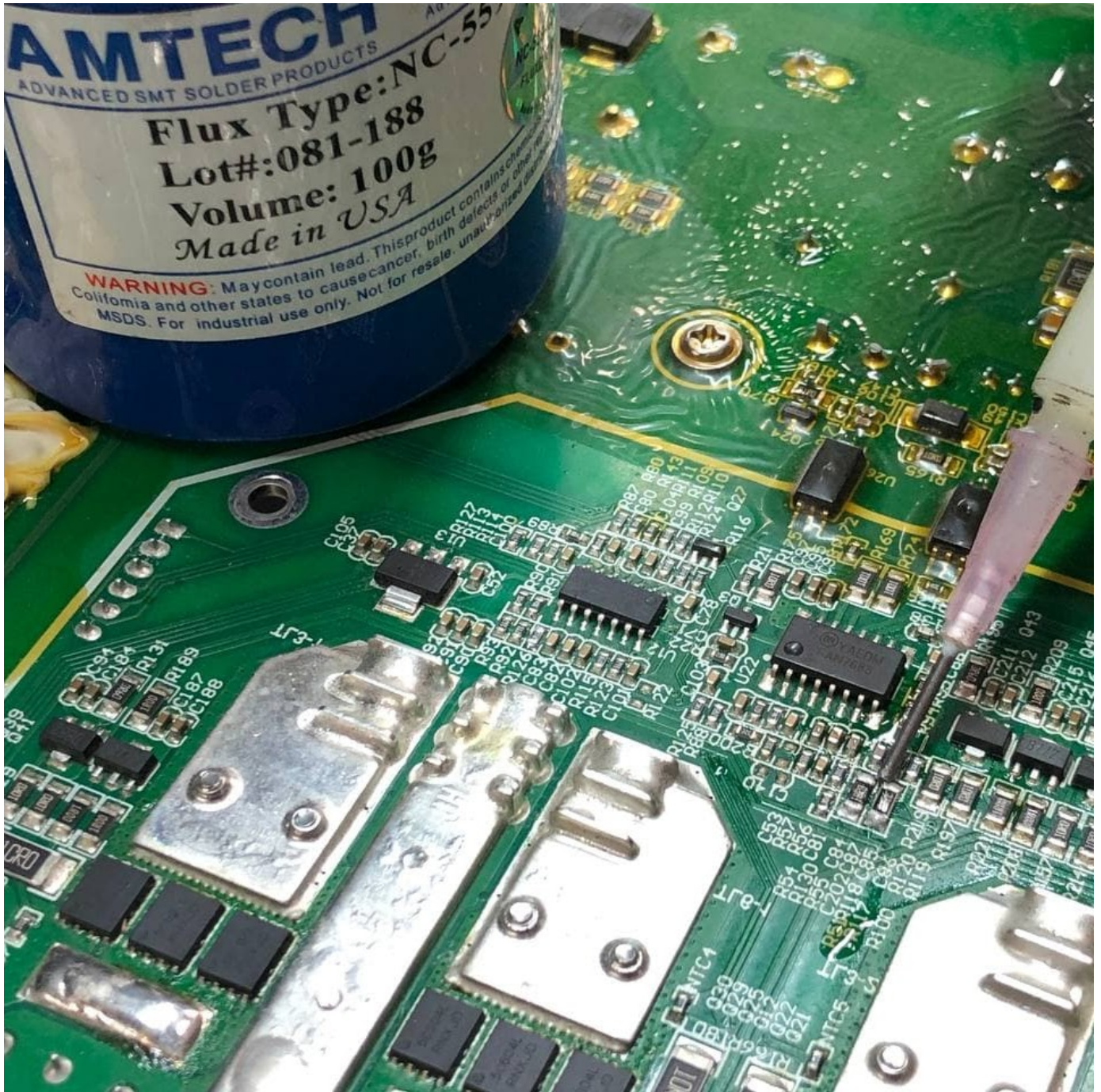
Step 3

Disassembly PSU. Remove the top cover, carefully unscrew the board from the bottom of the case. Caution High voltage capacitors can be electrocuted if not discharged.



Step 4

Carefully turn the board over and find the area where you need to add resistors



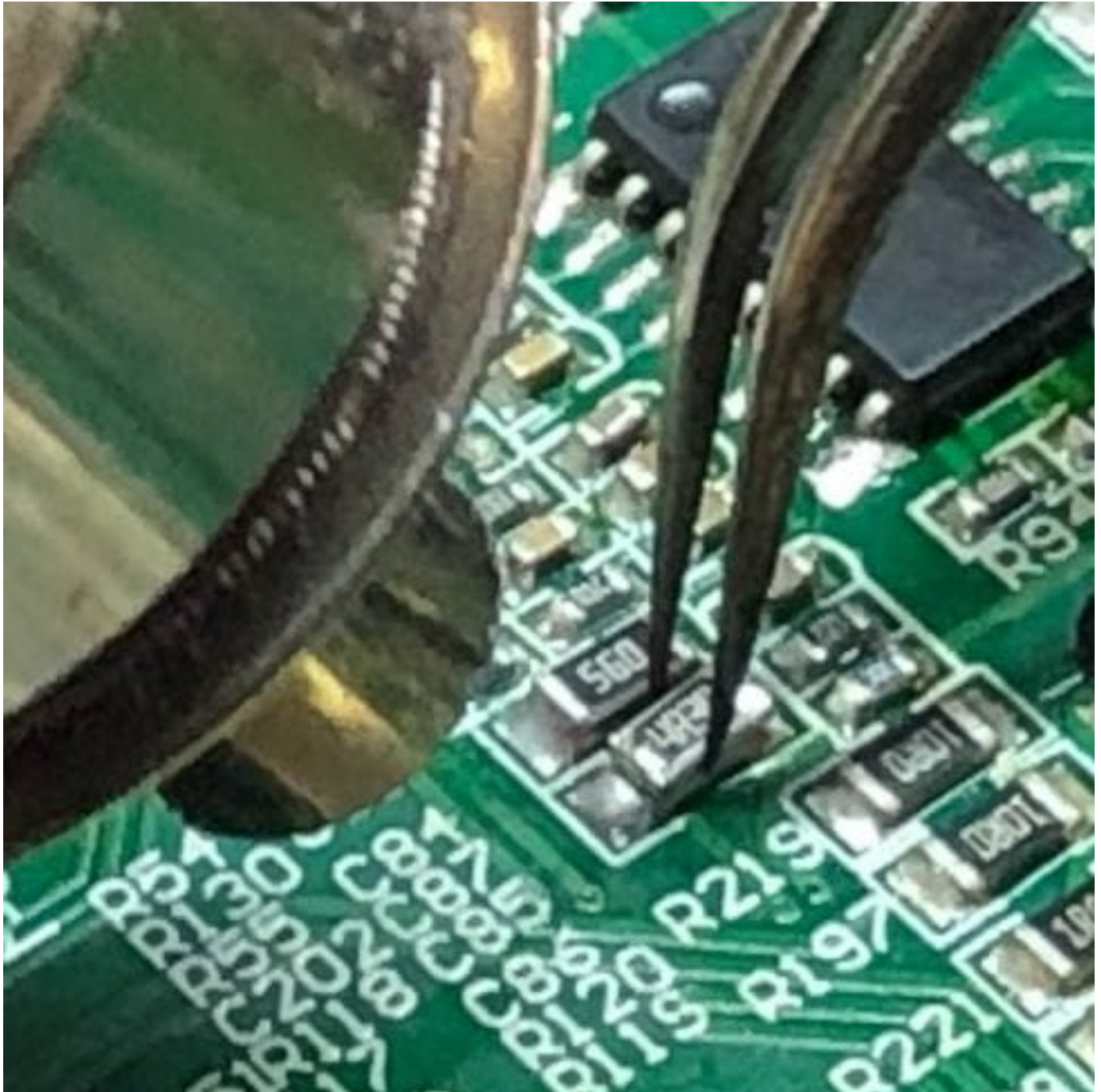
Step 6

Add flux.



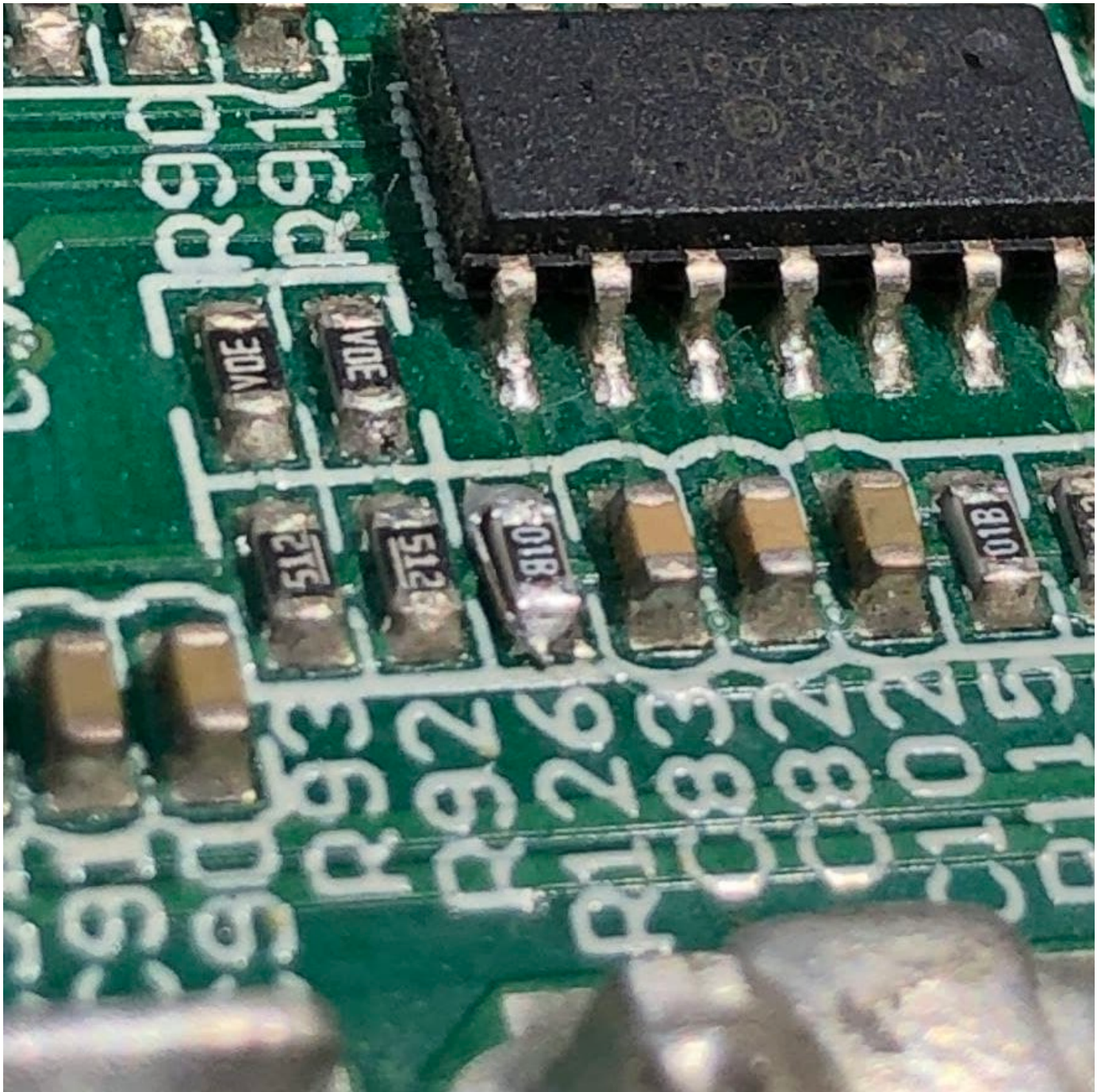
Step 7

Use hot air station for add first resistor 56 Ohm.

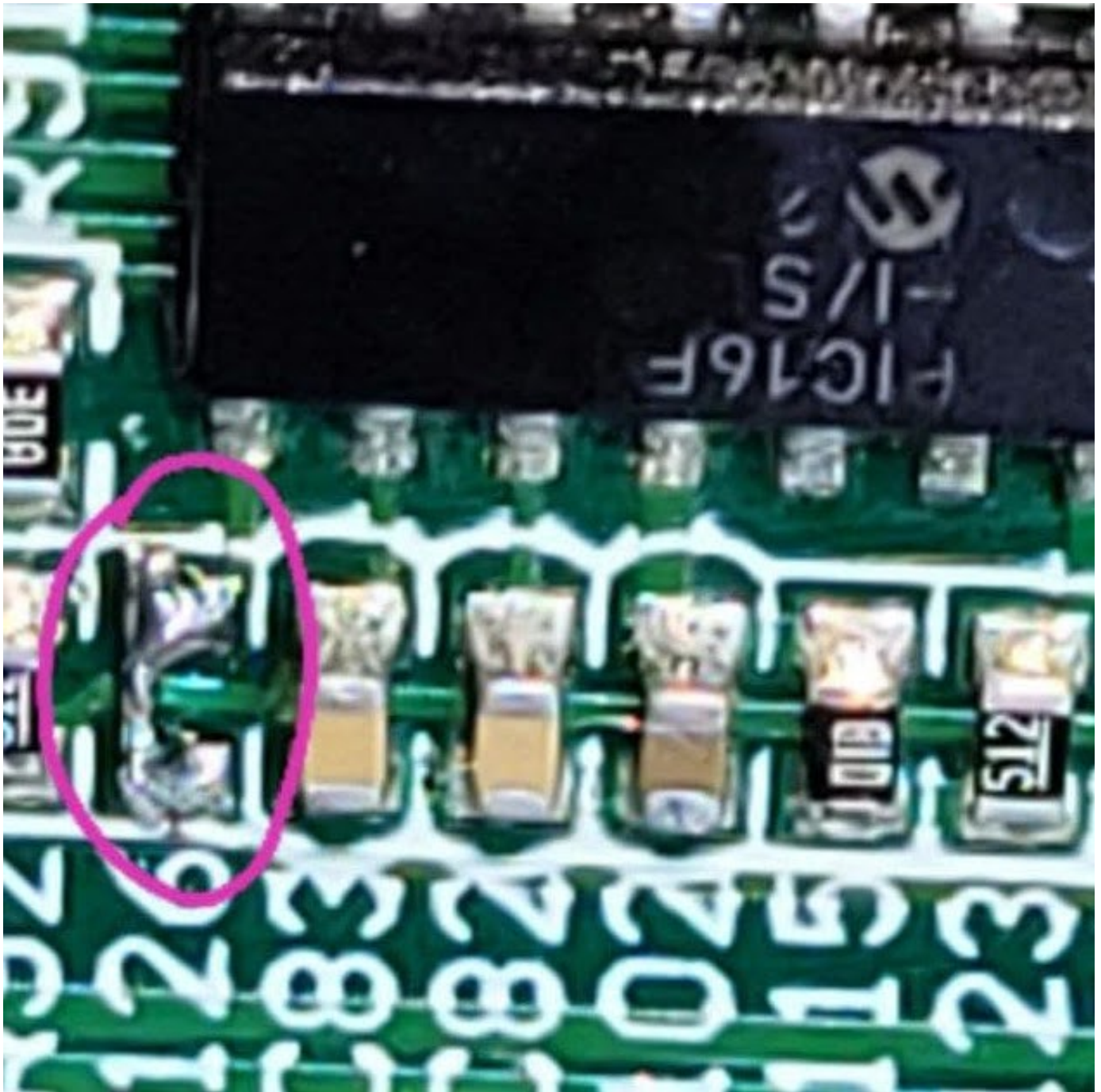


Step 8

Add second resistor 4.3 Ohm.



Locate near PIC IC 0805 size resistors R126. Resistor 1 kOhm. Can be marked as 01B or 01H or 102.



Step 10

Replace resistor or just add wire jumper as on pictures Step 9 or Step 10.

Finish

Now you must assemble PSU in back order.