

Welcome to mAcTX!

We will guide you through the assembly of your mAcTX LC Kit!

Required Tools:

- Soldering Iron
- Solder
- Flush Cutters
- Wire Strippers

Optional Tools:

- Helping Hands
- Additional Flux
- Flux Remover (of your choice)

Kit Items:

- mAcTX LC Circuit Board
- 2x 10k Ω Resistors
- 2x 10 μ F Capacitors
- ATX Power Connector
- Macintosh LC Power Connector
- Power Switch (w/ lead)
- Mounting Tape
- Power Switch/DC In Bracket

Warning

Opening the Power Supply can potentially expose you to high voltages. Do this task at your own risk. We are not responsible for any injuries obtained while building this kit.

The mAcTX LC

Works With
The Following Systems

Macintosh LC
Macintosh LC II
Macintosh LC III
Macintosh LC III+
Macintosh LC 475
Performa 475
Quadra 605

Project By:
@blusnowkitty \ Sean Ellis
Guide by:
@compgeke \ Chris Satterfield

mAcTX LC Assembly Guide

Part 1: Terminology and Tips.

Part 2: The Building.

Terminology:

Component Side:

The side of the circuit board the majority of components are placed.

Solder Side:

The side of the circuit board the majority of solder joints are made.

Tips:

Capacitor Polarity:

Capacitor polarity can be confusing at times. With the electrolytic caps used in this kit, the negative side is marked with a white stripe. This corresponds with the white shaded area on the circuit board.

Keeping Components Flush:

Keeping your components flat on the board is a good way to keep a professional look. An easy way to accomplish this is to start by only soldering one leg at a time for small components, or opposite corners for big. For example, with a capacitor you want to solder one side first, verify it's flat then solder the other. With a big connector solder the two opposing corners, make sure it's flat, then solder the remaining pins.

Step 1: Resistors

Locate the two 10k Ω Resistors and install into positions R1 and R2.

Step 2: Capacitors

Locate and install the two 10 μ F capacitors into locations C1 and C2. Remember, polarity matters. See Part 1 for a tip on finding the correct capacitor polarity.

Step 3: Power Conn.

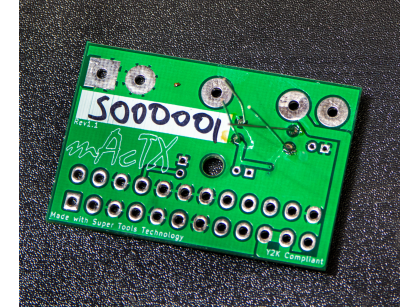
Solder the 24 pin ATX power conn. to the component side of the board. This does not need to be 100% Flush, It'll work fine slightly angled.

Step 4: LC Power

The kit comes with a preterminated connector for the LC Logic Board. Strip the ends and insert through the component side of the board into corresponding colors. Solder to the solder side.

Step 4: Power Switch.

The power switch included with the kit comes with pre-terminated wires. Strip and solder these into the holes marked "PWR_ON". Color does not matter for this part.

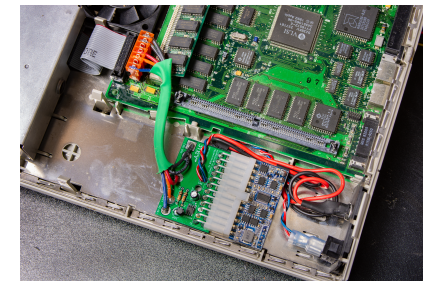
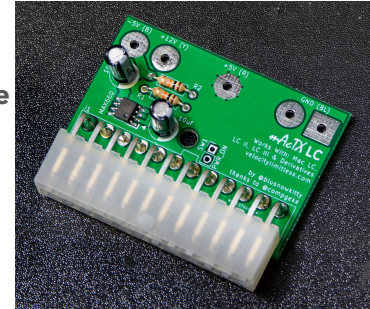


Tip!

Solder one leg of each part and verify part is flush on other side before soldering other leg!

Progress!

Your board should look something like this after the first 3 steps.



Tip!

As you strip the wires, tin to prevent fraying. This makes it easy to insert into the PCB.

All Done!

At this stage it's time to move onto the installation guide.

