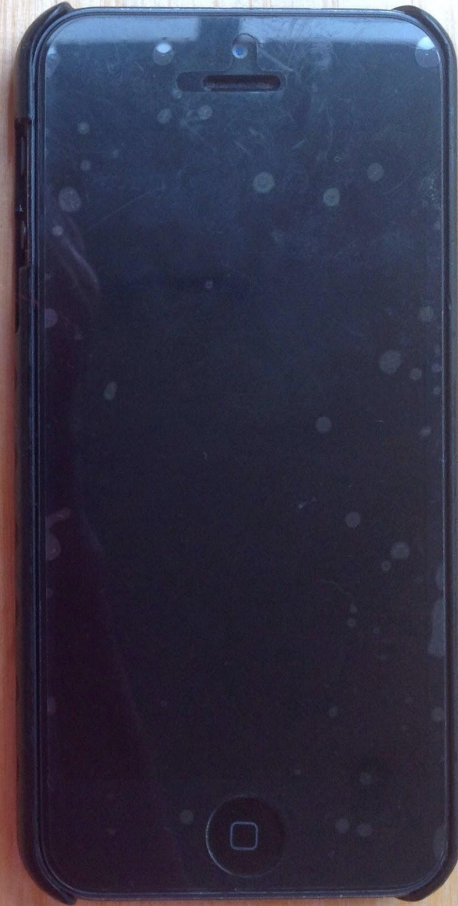
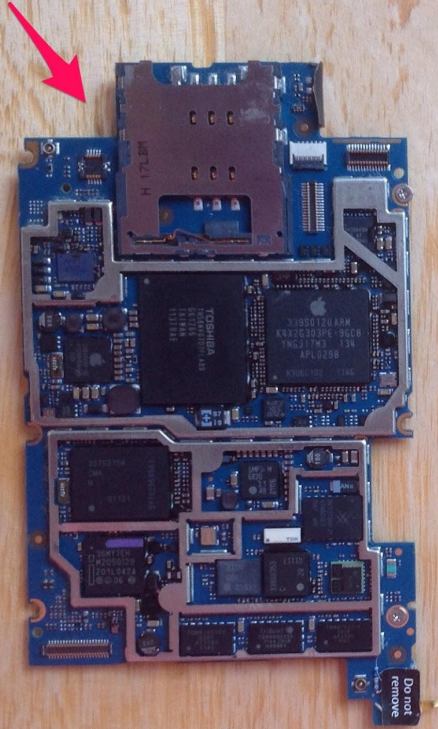
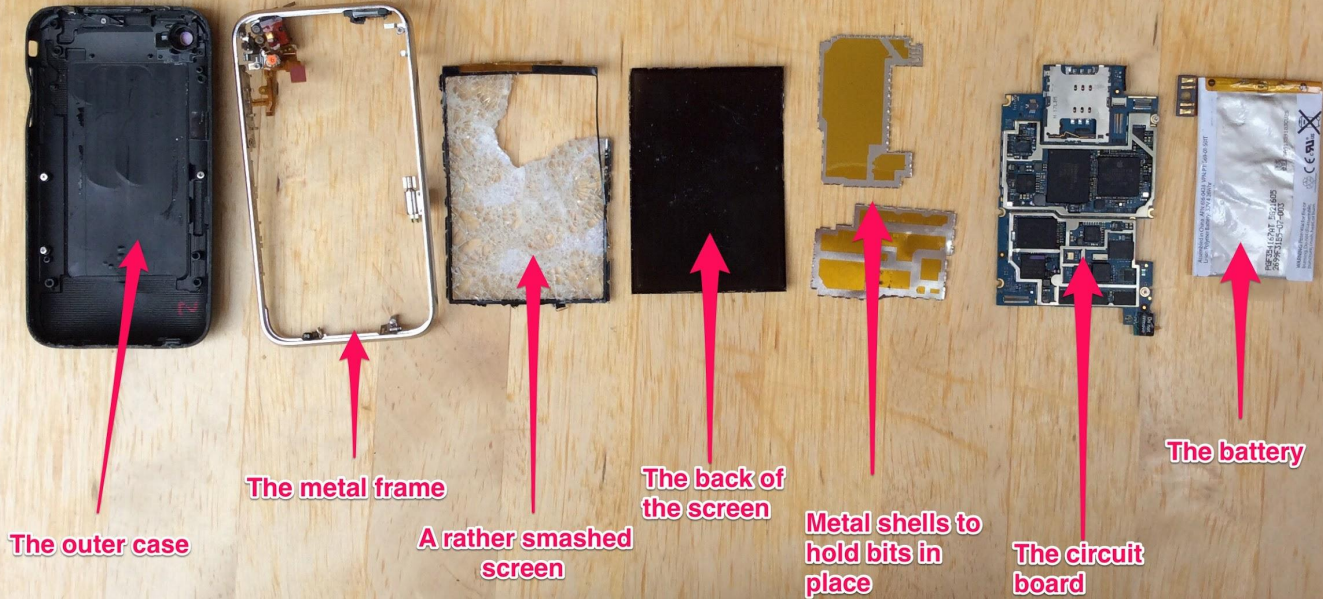


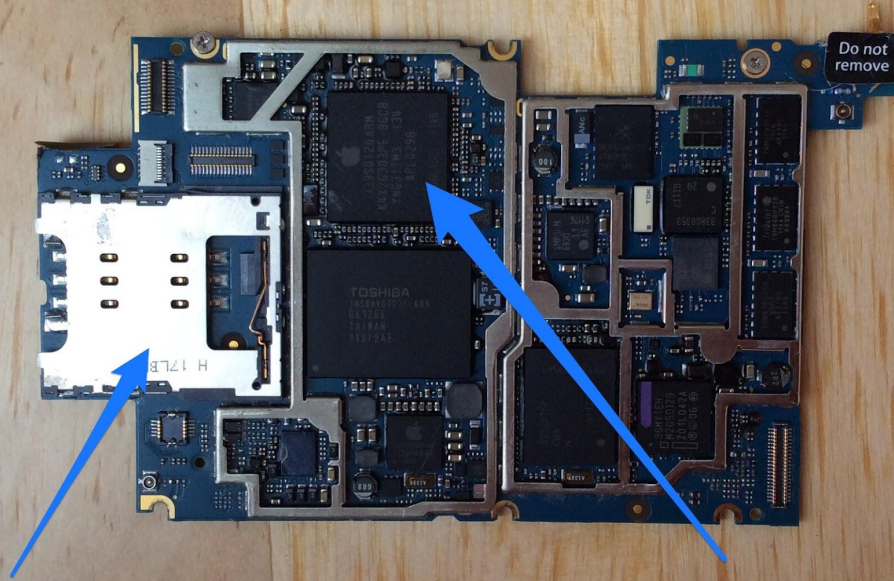
This is what the inside
of an iPhone looks like



All the parts of an iPhone 3GS

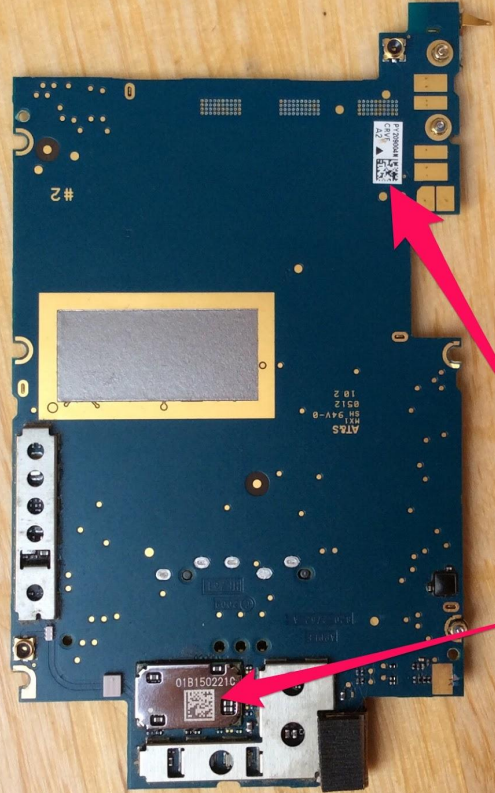


Inside of a phone!

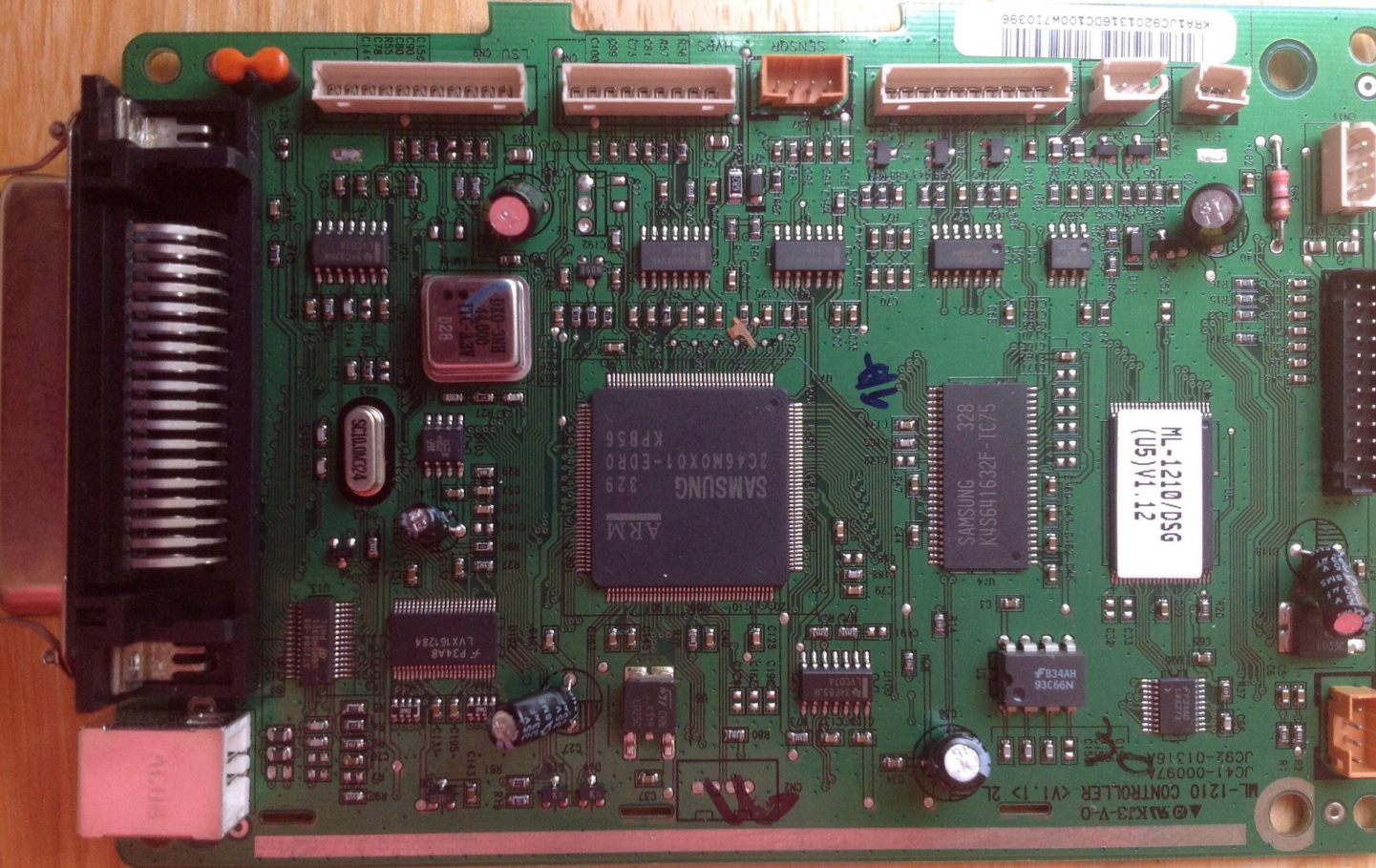


This is where the
SIM card goes

This is called the CPU.
It works like the brain of the phone,
controlling everything that goes on.

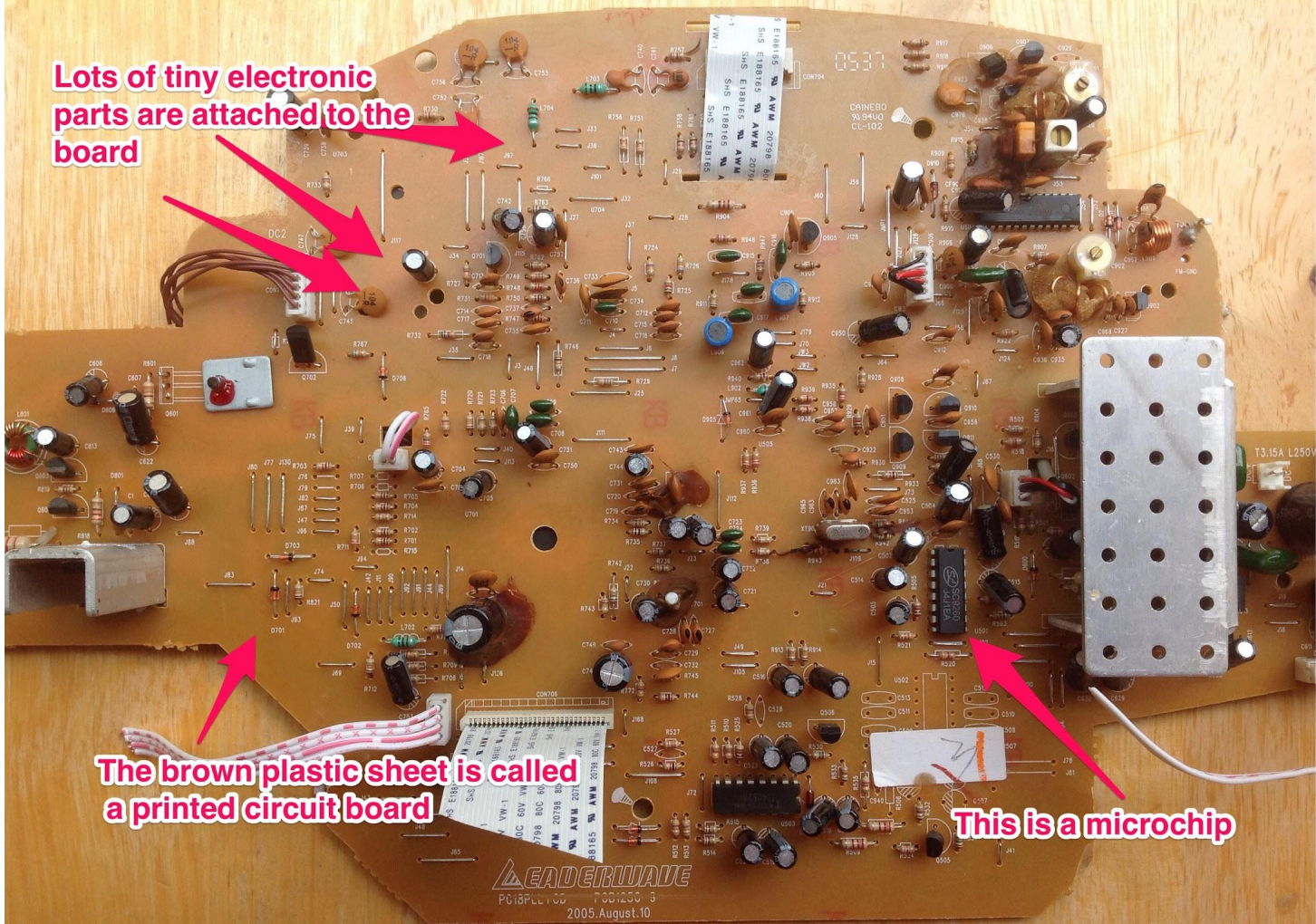


There's even QR codes inside of your phones! This is so the machines can identify the right part for the phone, like a name.



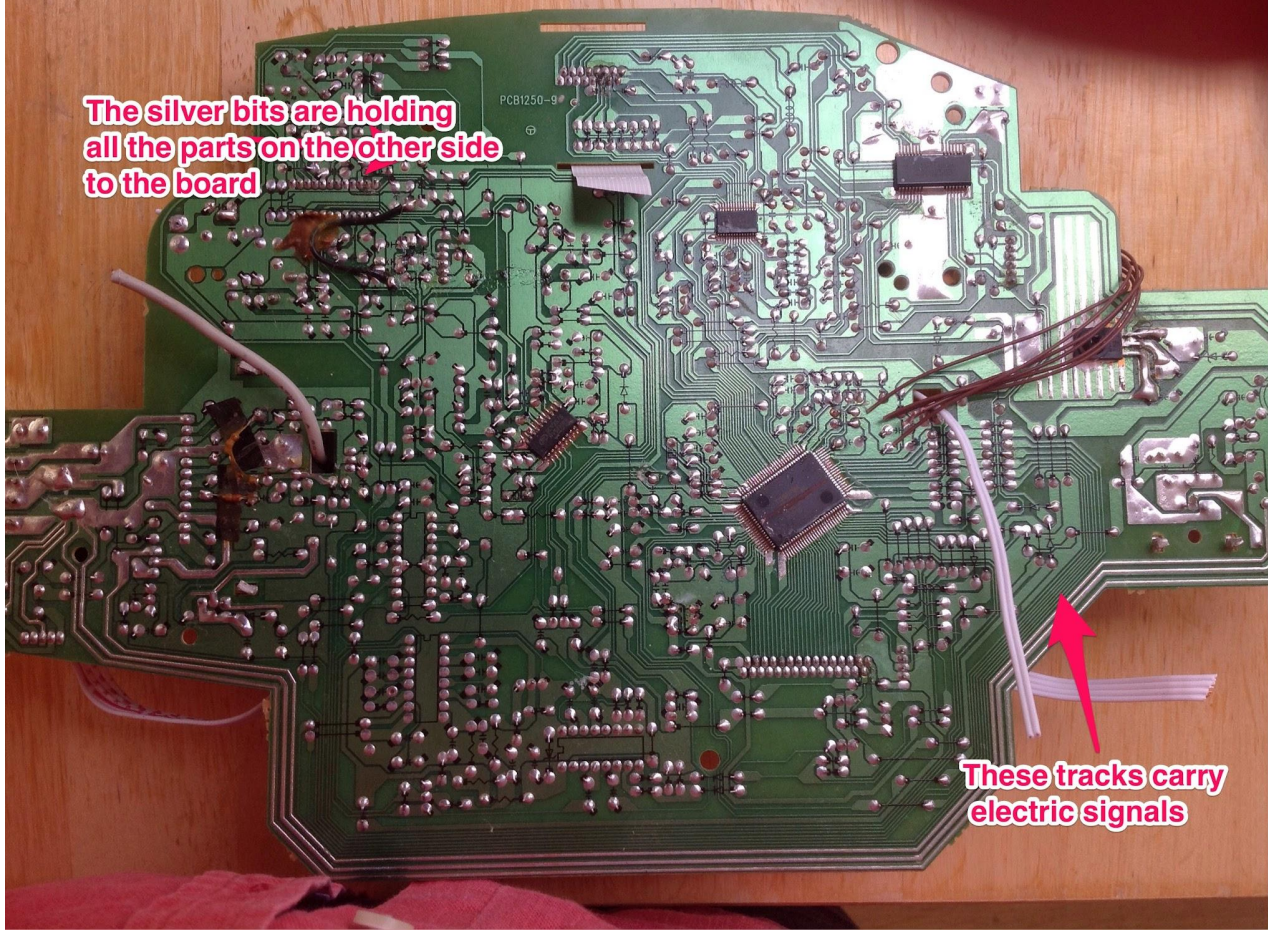
This circuit board controlled a printer

Lots of tiny electronic parts are attached to the board



The brown plastic sheet is called a printed circuit board

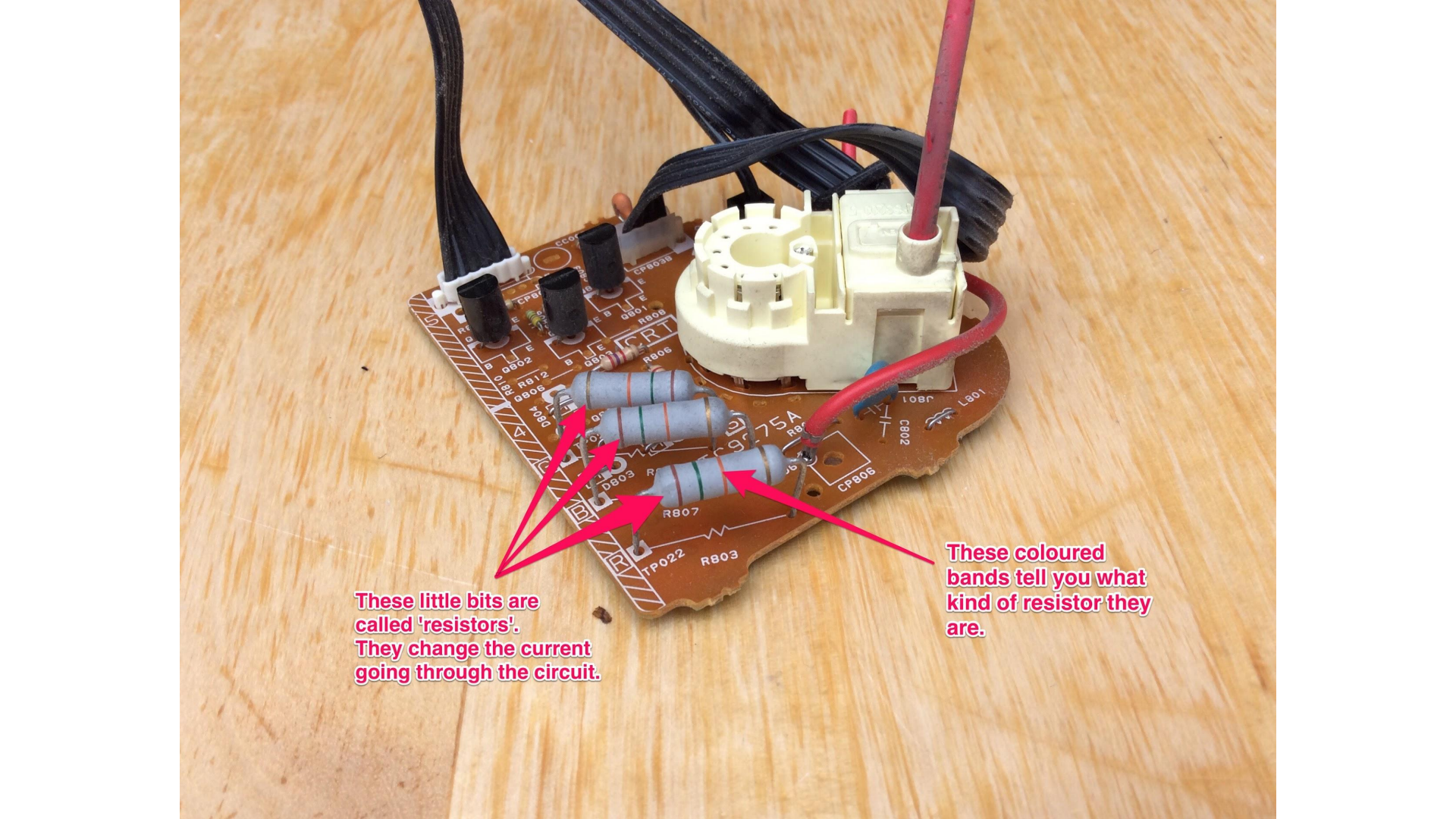
This is a microchip



The silver bits are holding all the parts on the other side to the board

These tracks carry electric signals

The other side



These little bits are called 'resistors'. They change the current going through the circuit.

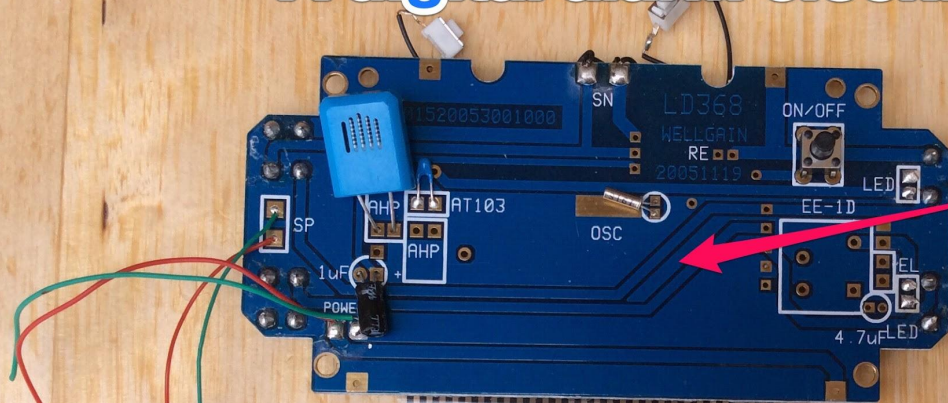
These coloured bands tell you what kind of resistor they are.

This is the front. The black part moves very quickly to make sounds.

This is the back. It has a strong magnet inside it. The magnet makes the black part move.



A digital alarm clock!



All of this blue bit controls what your alarm clock does. It is called a circuit board!

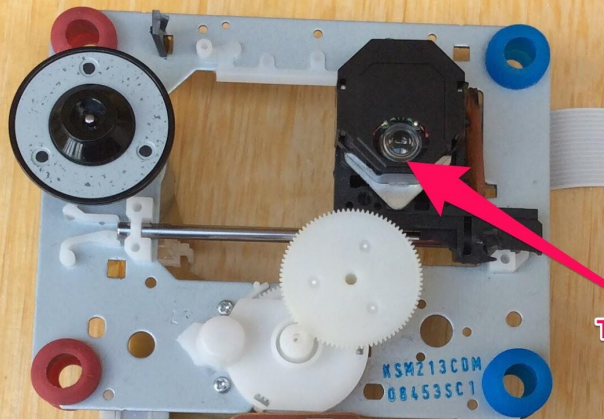


This thin bit of plastic sends all the messages from the circuit board to the screen.

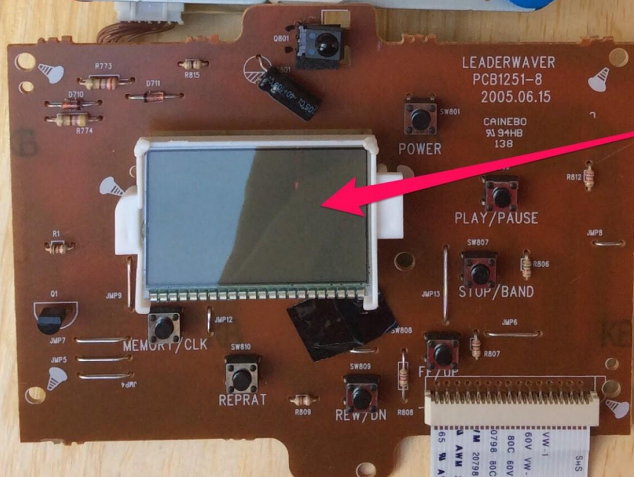


This is the screen of your digital alarm clock!

A CD player!



This fires tiny lasers at your CD!



This bit then gets all the information from the lasers