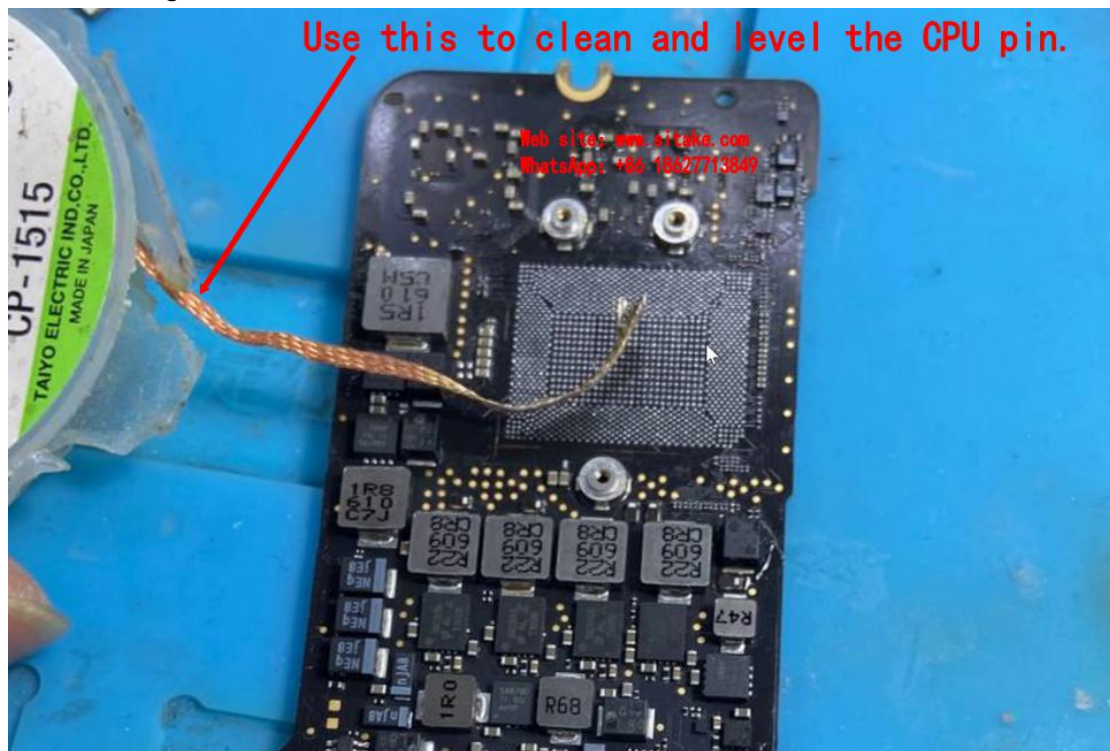# MacBook A1534 as an example, manual considerations for replacing cpu:
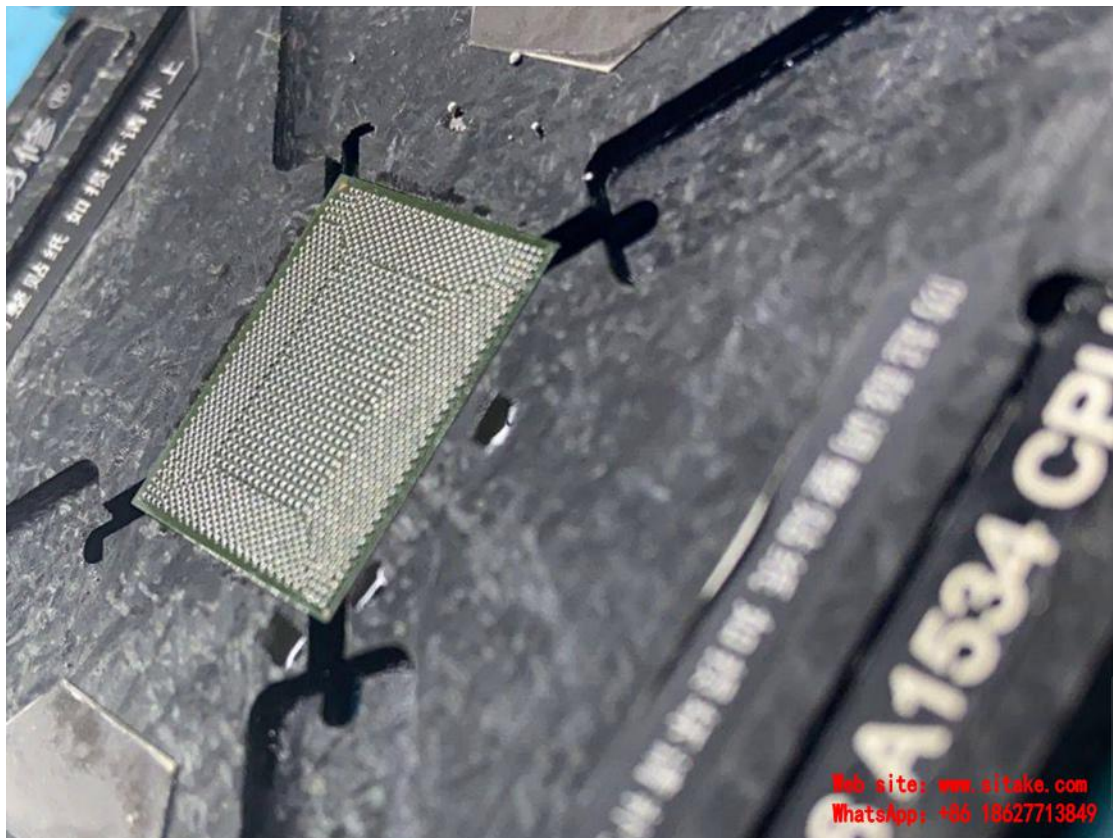
Note: if all the chips are removed from the bad motherboard, material board, disassembly board and accessories board for use as accessories, then when removing them, they must be heated from the back of the chip, because many chips are not resistant to high temperature, remember! If the chip itself has been damaged, it is a chip that needs to be replaced, then it can be heated directly on the front of the chip at this time.

Before removing the CPU, mark the corner of the CPU pin with tweezers to facilitate alignment when installing it back.

After marking, CPU's pin tin should be cleaned and leveled. Make the mark to make it easy to aim at the position when the chip is put back, just see it clearly, don't push, otherwise the line will be broken.

After CPU planted the tin ball, add solder oil to put pin back in place.

Write BIOS after changing CPU. CPU can also upgrade I5 or I7、I9.
After upgrading CPU, must write the corresponding BIOS.

MacBook 2019, 2020, CPU can be changed, after the change, unlock the firmware.