

IC Programing

IC Programming, or Integrated Circuit Programming, refers to the process of writing or loading a set of instructions, data, or code into an integrated circuit (IC) to configure its functionality or behavior. Integrated circuits are the fundamental building blocks of electronic devices, and programming them allows customization, control, and optimization of their operations.

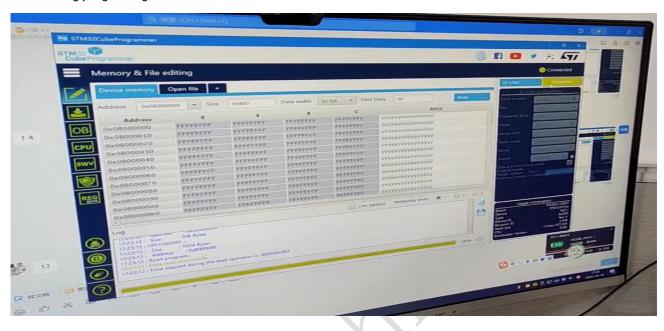
IC Programming involves using specialized equipment, such as programmers or programmers/debuggers, to transfer software or firmware to the internal memory of an IC. This software could include firmware for microcontrollers, configuration data for programmable logic devices (PLDs), or even specific code for application-specific integrated circuits (ASICs).

IC Programming serves various purposes:

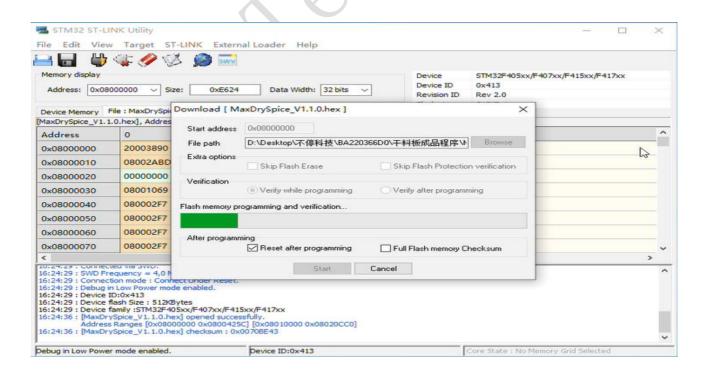
- 1. Customization
- 2. Upgrades and Revisions
- 3. Encryption and Security
- 4. Mass Production
- 5. Rapid Prototyping
- IC Programming can involve various methods, such as in-circuit programming (ICP) or in-system programming (ISP), which allow programming without removing the IC from the circuit board. Additionally, socketed ICs can be programmed offline before being soldered onto the board.

IC Programing Process

1. Loading programing:



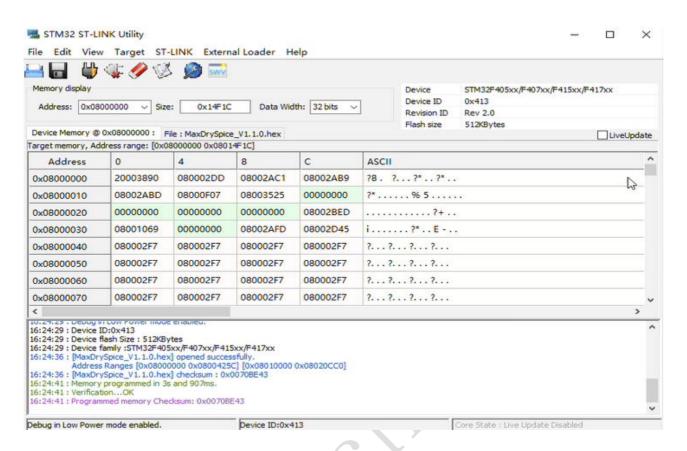
2. Programing



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3. IC programing finished

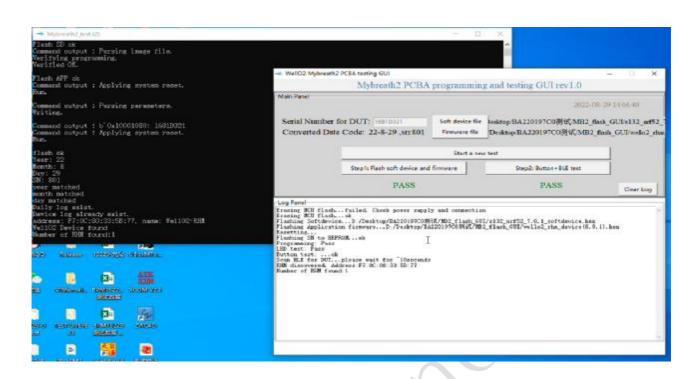


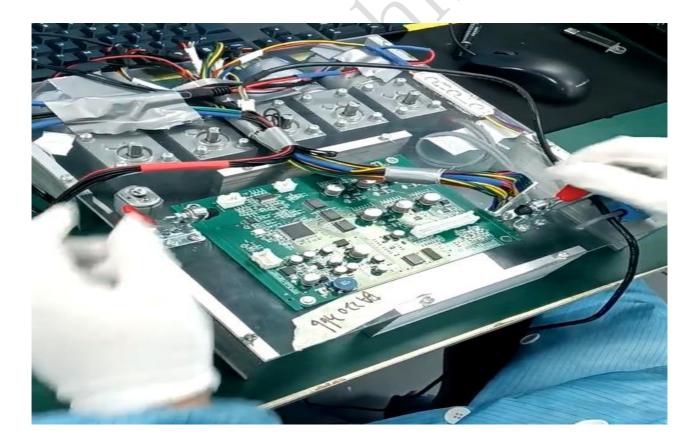
4. Power-on test



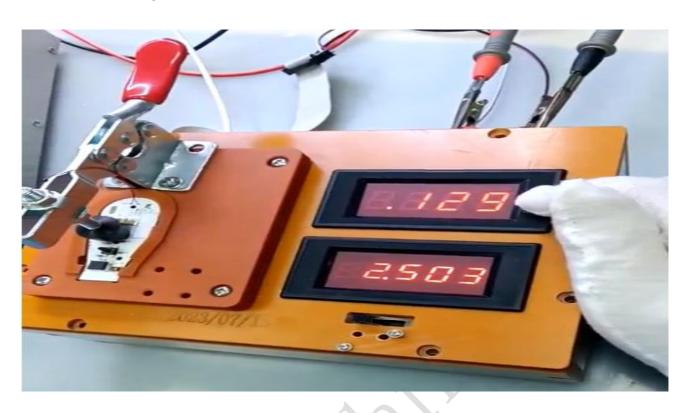
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5. Functional test





6. Current test/ Voltage test



7. IC programing report

■ 1771400A - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

Test record for DUT with SN:1771400A

2023-07-20 15:23:57.503448

Step 1: Flash firmware

Step 1.1: Erasing MCU flash:ok

Step 1.2: Flashing Softdevice:D:/Desktop/BA220197C0测试/MB2_flash_GUI/s132_nrf52_7.0.1_softdevice.hex

Step 1.3: Flashing Application firmware:D:/Desktop/BA220197C0测试/MB2 flash GUI/wello2 rhm device(0.9.1).hex

Step 1.4: Reset after flash:ok

Step 1.5: Flash SN to EEPROM:ok

Step 1.6: LED check:pass

2023-07-20 15:24:13.328906

Step 2: BTN + BLE test:

Step 2.1: BTN test:Pass

BLE scan result:

Discovered RHM address:EC:54:58:B3:98:B0

Number of RHM found:1

Step 2.2: BLE test: Pass

测试报告