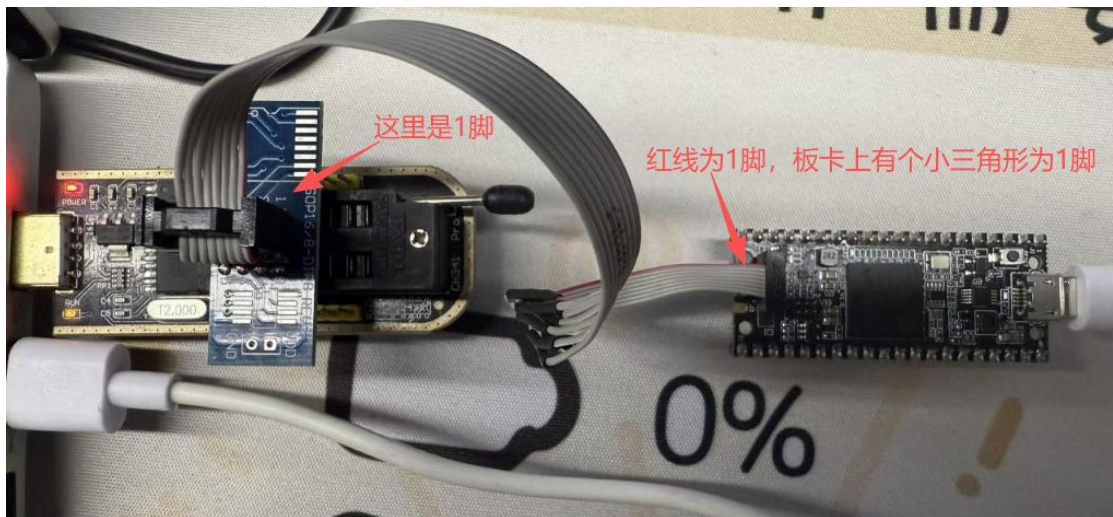


龙芯 2K0300 先锋派 MINI 文件烧录

一、准备环境

- 1、龙芯 2K0300 先锋派 MINI*1
- 2、配套数据线（micro USB 数据线）*1
- 3、CH341 编程器*1
- 4、编程器 CH341 烧录软件和 mobaxterm

二、硬件连接如下图

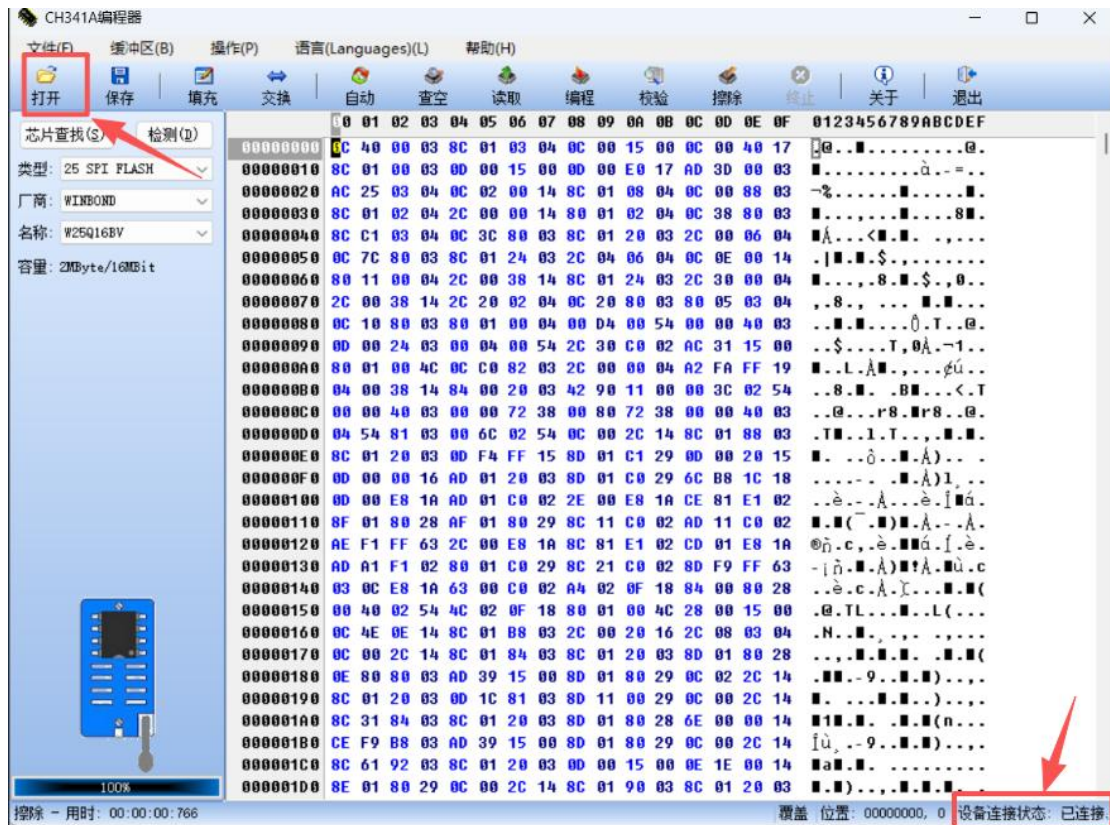


注意事项：

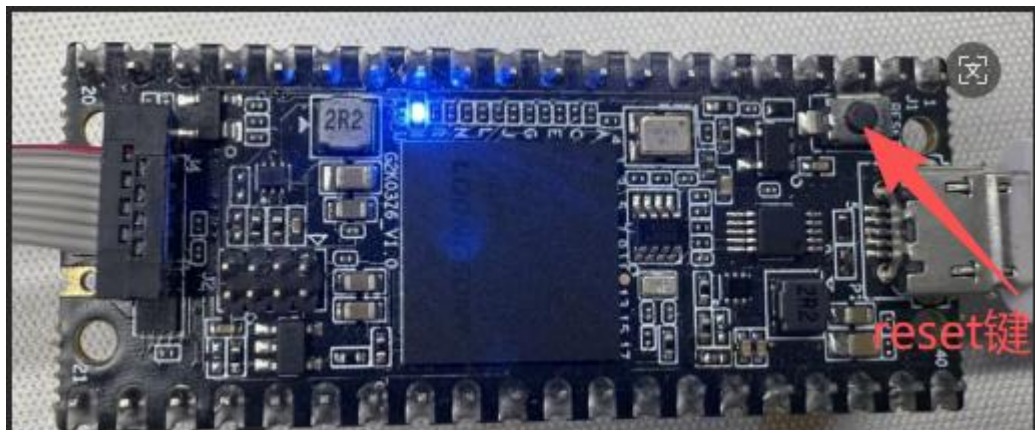
1. 注意转接板插到烧录器上的方向，从靠近烧录器上芯片的方向插入，不要有跳空。
2. 注意线的第一脚和烧录器转接板的第一脚方向
3. 需要接上数据线（也是电源线）

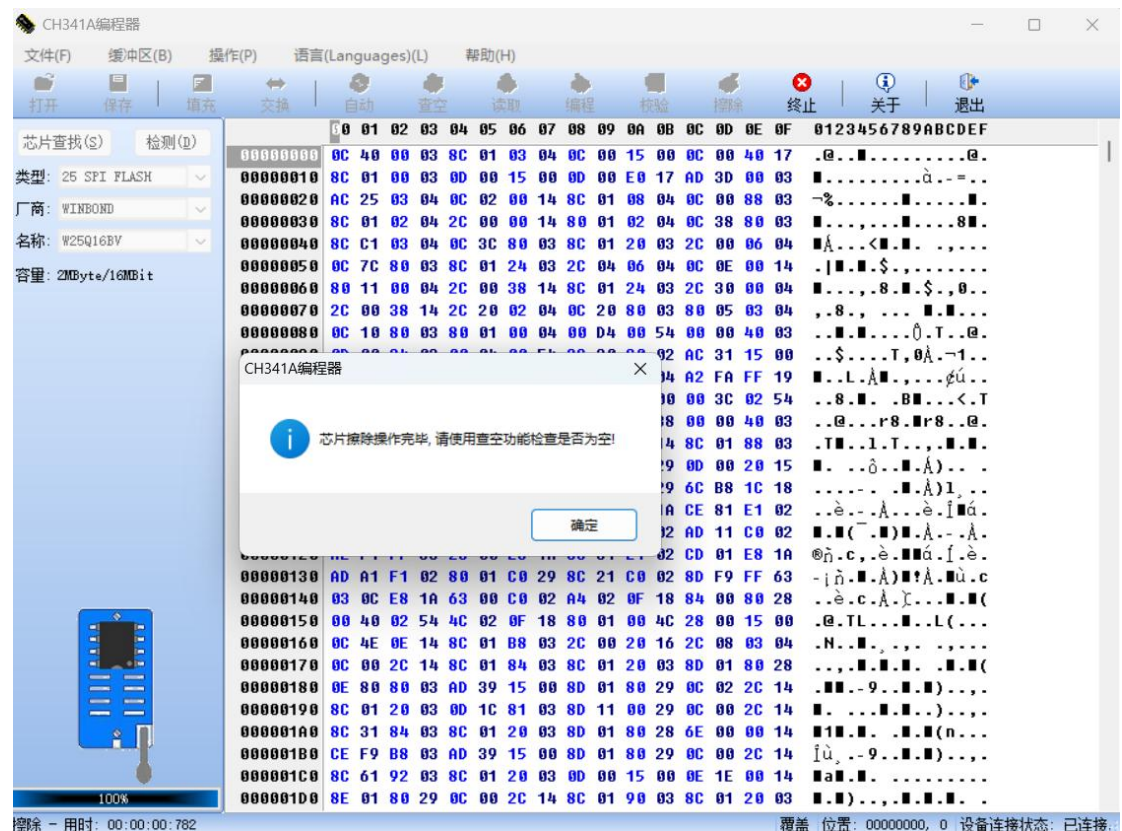
三、文件烧录

- 1、打开 CH341 编程软件，先检查烧录器是否在线，然后打开需烧录的文件，如我这边是 OHOS_Image.bin。

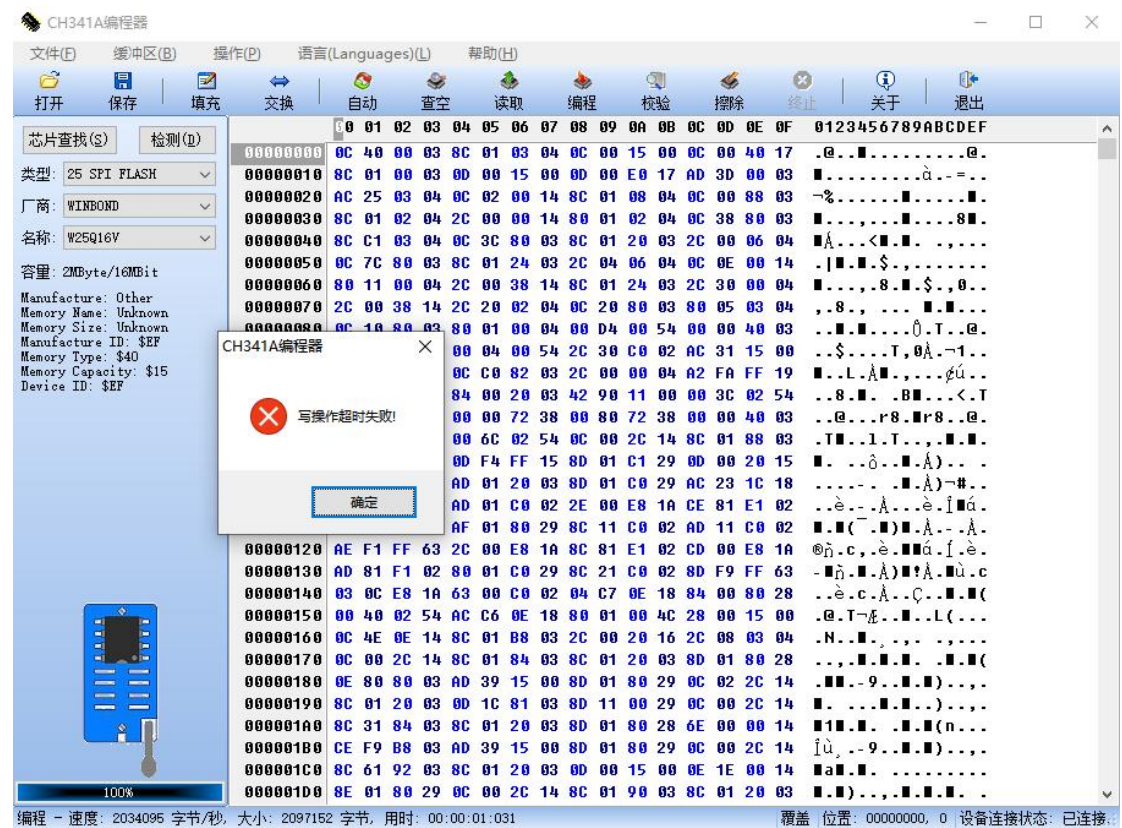


2、先按住板卡 reset 按键，再选择擦除，擦除完毕后，选择编程等待烧录，如果提示烧录超时，重试一次即可，看到左下角的烧录进度条在动是，可以松开 reset 按键，等待烧录到结束即可（进度条为 100%），拔出编程器按 reset 键重启即可。正常烧录完后心跳灯闪烁且串口输出正常。

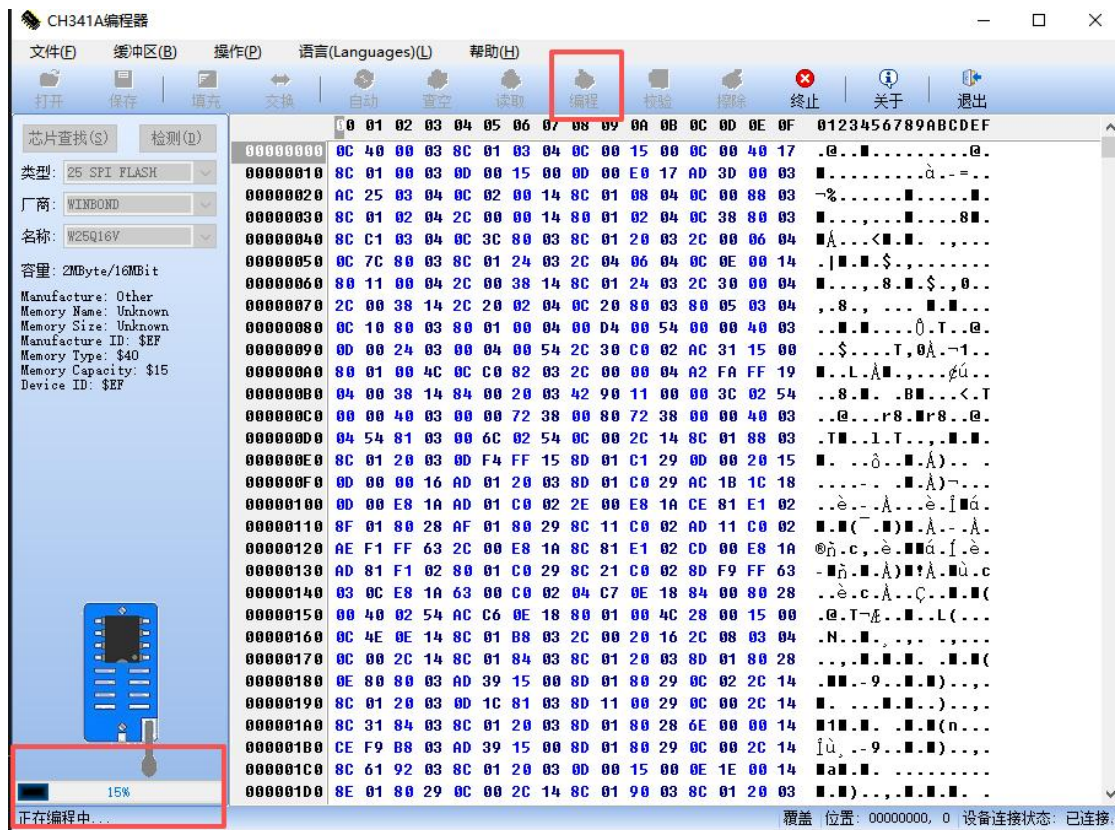




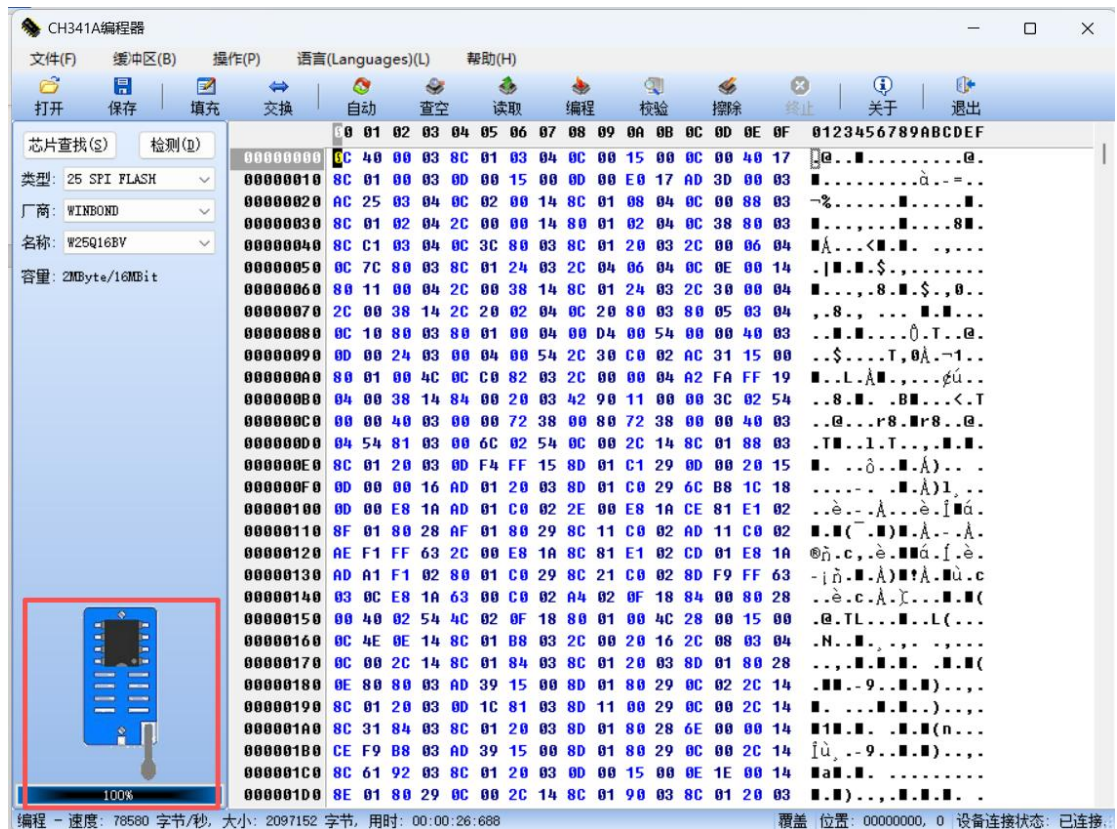
擦除成功示意图



写超时，点确定后，重试一次即可。



文件烧录中



文件烧录成功

```
5. COM4 (USB-SERIAL CH340 (COM x
hievent init success.
1 [loongarch_irq_install] =====IRQn:3
1 [loongarch_irq_install] =====IRQn:4
LsUartInit 0...
1 [lio_irq_install_extend] =====IRQn:0
Init File System ...
LfsLowLevelInit: Starting file system init...
LfsLowLevelInit: RAM disk size=32768, block size=4096, block count=8
LfsLowLevelInit: DiskPartition succeed
LfsLowLevelInit: mount fs on '/' succeed
LfsLowLevelInit: Testing file system...
LfsLowLevelInit: Test file created successfully!
LfsLowLevelInit: Test file content: Hello from file system!

LfsLowLevelInit: File system init completed successfully!
File system init success!

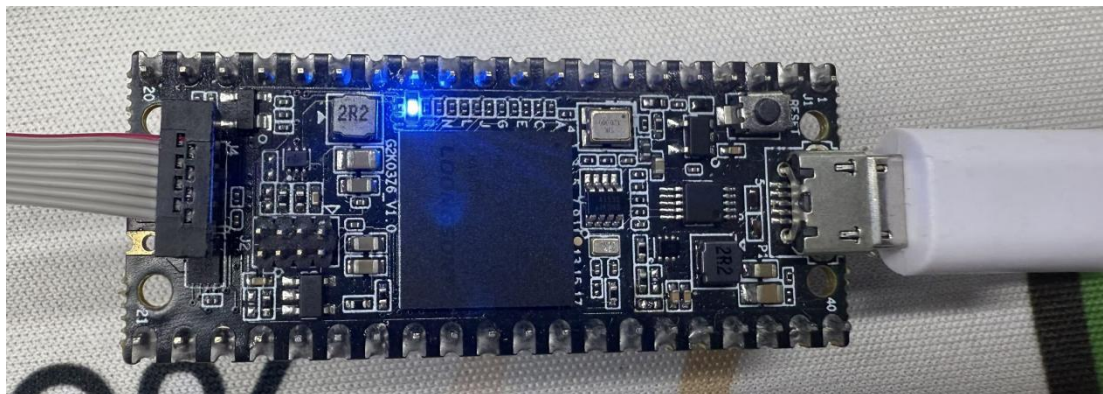
Welcome to the OpenHarmony System

Arch      : Loongarch64
SOC       : LS2K0300
Board     : ls2k300_mini_dp
Product   : ls2k300_mini_dp
kernel    : liteos_m
OS LEVEL  : mini
Build Time : Apr 14 2026 09:22:58

Init LosShell...
Init OsShell...
Start Liteos kernel ...
ArchStartSchedule intSave: 0xb4
Entering scheduler
OHOS # [Thread]: LsUartTest ...
LsUartInit 1...
1 [lio_irq_install_extend] =====IRQn:1
[Thread]: LsTestApp LED ...
hievinit success.

OHOS #
OHOS #
OHOS #
```

串口输出正常



心跳灯状态