



ATS2823

芯片 **CHIPID** 烧录说明

Latest Version: 1.0

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2 目 录

1 声 明.....	1
2 目 录.....	3
3 引言.....	3
3.1 版本历史	3
3.2 编写目的	3
4 烧录说明	4
4.1 需要准备的工具.....	4
4.2 CHIPID烧录板功能模块说明	4
4.3 CHIPID烧录操作步骤	7

3 引言

3.1 版本历史

日期	版本号	注释	作者
2015-10-10	1.0	建立初始版本	邓子华

3.2 编写目的

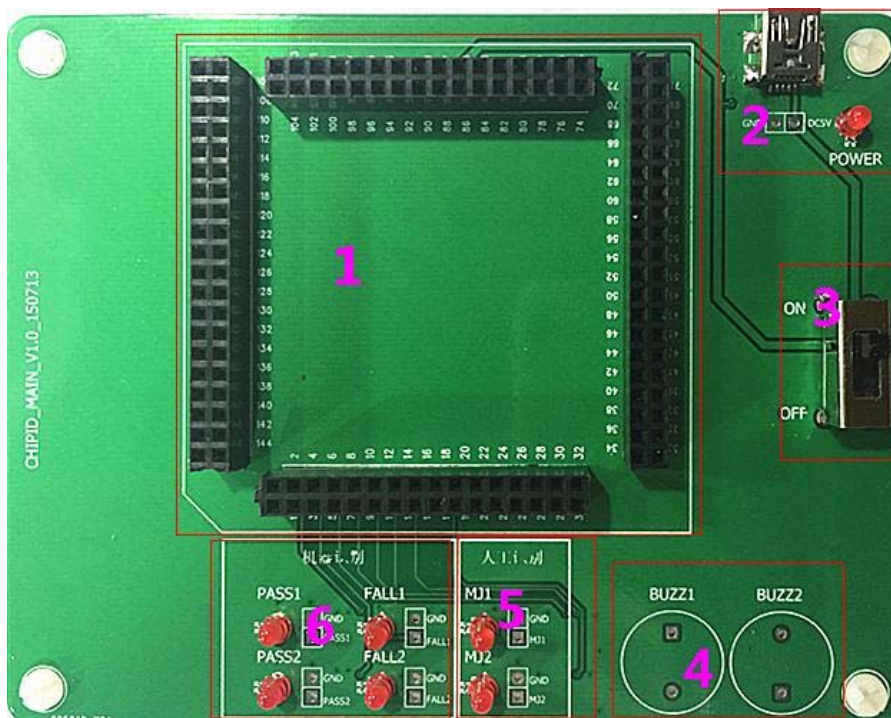
本文档主要介绍如何实现 ATS2823 芯片的 CHIPID 烧录。

4 烧录说明

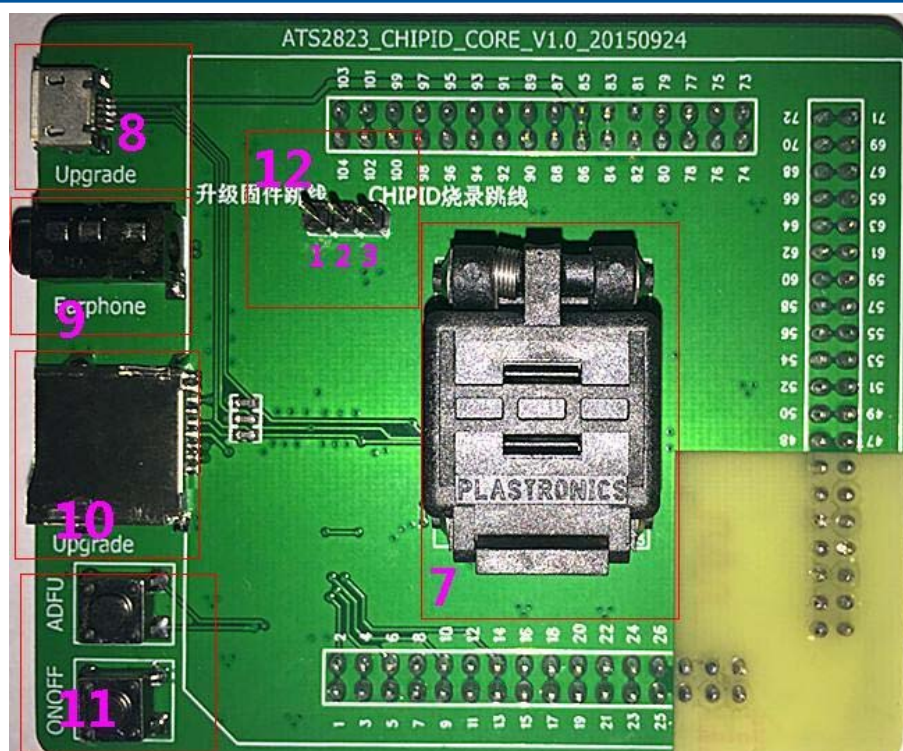
4.1 需要准备的工具

1. CHIPID 固件
2. ATS2823 CHIPID 烧录板
3. 待烧录 CHIPID 的 ATS2823 芯片
4. 其它辅助工具，如 TF 卡、USB 线、电源等

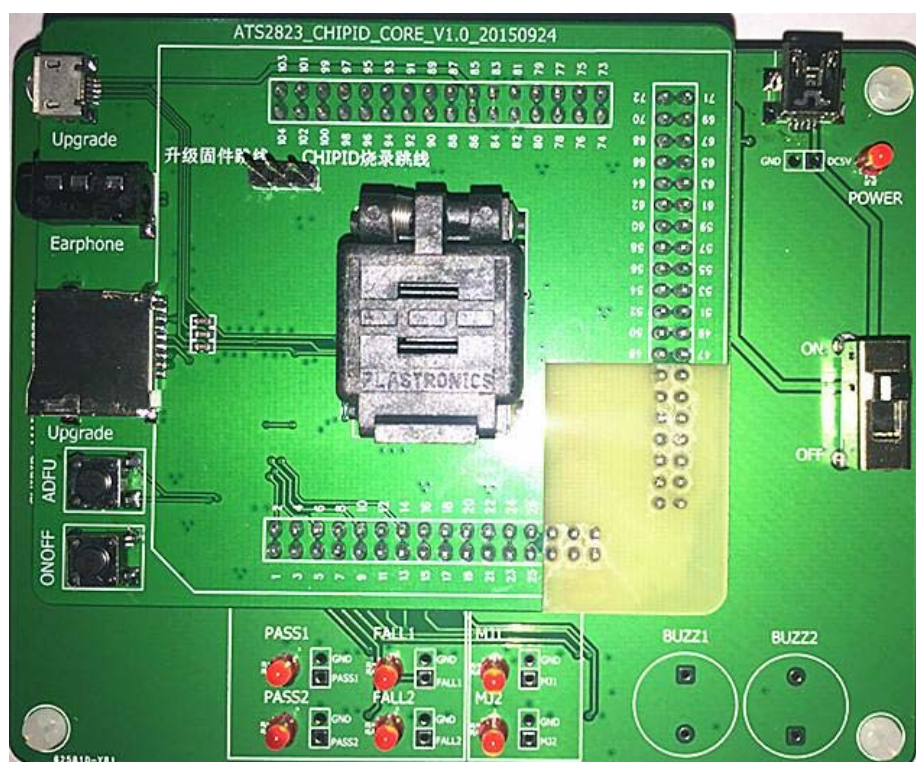
4.2 CHIPID 烧录板功能模块说明



图一：CHIPID 烧录主板



图二：CHIPID 烧录 ATS2823 子板



图三：组装好的 ATS2823 CHIPID 烧录板

图一为 CHIPID 烧录主板，可插 ATS2823 CHIPID 烧录子板或 ATS2825 CHIPID 烧录子板，对相应的 IC 进行 CHIPID 烧录，各模块功能如下：

1. 子板插槽，插上 ATS2823 子板或 ATS2825 子板对相应的 IC 进行 CHIPID 烧录。
2. 供电 USB 口，连接 5V 充电器给整个系统供电。
3. 供电控制开关，拨到 ON，系统上电并进行 CHIPID 烧录。烧录完成后，拨到 OFF，更换下一颗 IC 进行烧录。
4. 蜂鸣器，烧录时作为人工识别的一个指示。
5. 人工识别指示灯，烧录时作为人工识别的一个指示。
6. 机器识别指示灯，通过飞线连接到测试机器并配合测试机器软件完成机器自动化识别。

图二为 ATS2823 CHIPID 烧录子板，配合烧录主板来烧录 ATS2823 IC 的 CHIPID，各模块功能如下：

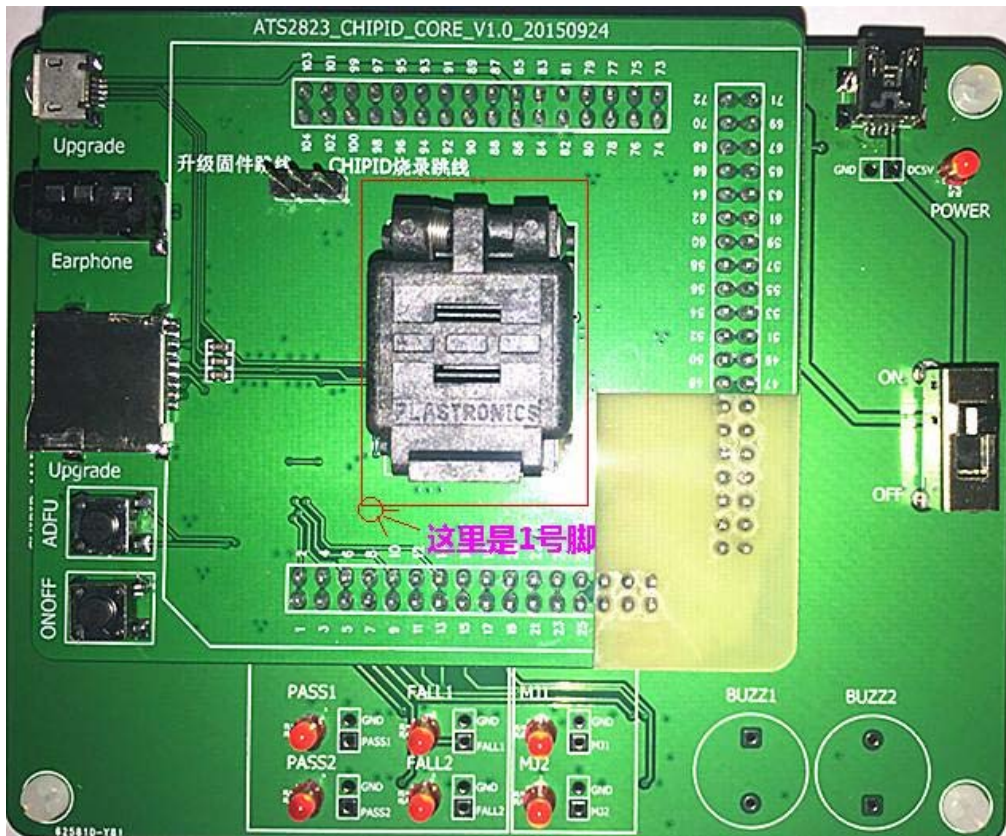
7. ATS2823 IC SOCKET 座，用来放置 ATS2823 芯片。
8. ATS2823 CHIPID 烧录板升级固件用的 USB 口，用做 CHIPID 烧录板的固件升级。
9. ATS2823 系统耳机输出座。
10. ATS2823 CHIPID 烧录板升级固件用的 TF 卡座，用做 CHIPID 烧录板的固件升级。
11. ATS2823 系统 ONOFF 和 ADFU 按键。
12. ATS2823 CHIPID 烧录板升级固件和 CHIPID 烧录跳线帽，升级固件时跳到‘升级固件跳线’端（①和②接起来），烧录 CHIPID 时跳到‘CHIPID 烧录跳线’端（②和③接起来）。

图三为组装好的 ATS2823 CHIPID 烧录板。

4.3 CHIPID 烧录操作步骤

1. 将 CHIPID 固件烧录到 CHIPID 烧录板中

打开 SOCKET 座子，将 ATS2823 芯片放进去，**注意 IC 的方向不要放错了**，然后盖上盖子。



升级固件前，在标示“12”的模块处将短路跳帽跳到‘升级固件跳线’端。

给 CHIPID 烧录板升级固件有两种方法：

1. 使用 ATS2823 升级转接板，通过标示“8”的 USB 口升级，
2. 通过标示“10”的 TF 卡槽升级
 - ①给主板上标示“2”的 USB 口供电（一定要通过这个口供电，不能通过子板上的标示“8”的 USB 口供电）
 - ②用“量产卡固件烧写工具”将待升级的固件制作到 TF 卡中，方法详见‘ATS2823 升级转接板使用说明’文档。
 - ③把制作好的 TF 卡插入卡槽，按住标示“11”处的 ADFU 按键不放，将标示“3”的开关拨到 ON，然后松开 ADFU 按键，此时就开始升级了。

2. 对 ATS2823 IC 进行 CHIPID 烧录

用 5V 充电器或者电脑 USB 口连接烧录主板上标示“2”的 USB 口，给系统提供 5V 电源

将电源控制开关（标示 3）拨到 OFF，然后将待烧录 CHIPID 的 ATS2823 芯片放到 SOCKET 座里，**注意 IC 的方向不要放错了**

拨动电源控制开关到 ON，即开始烧录 CHIPID，观察烧录指示灯，等待烧录完成

3. 判断 CHIPID 烧录是否成功

根据烧录主板上的指示灯和蜂鸣器判断 CHIPID 烧录是否成功

状态	人工识别				机器识别			
	MJ1	MJ2	BUZZ1	BUZZ2	PASS1	PASS2	FALL1	FALL2
烧录成功	5HZ 闪烁	灭	5HZ 短鸣	不响	常亮	灭	灭	灭
烧录失败	常亮	灭	长鸣	不响	灭	灭	常亮	常亮
其他情况	出现其他的指示则表示 IC 没放好或其它问题							

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