

文件编号 Document No.	ESP-07-2-007-03	文件名称 Document Name	产品/工艺变更通知 Product/Process Change Notice (PCN)
文件版本 Document Version	1.3	保存期限 Retention Period	5 年 5 years

导入 XM25QH64CKIQB08S 作为 ESP32-PICO-V3-02 备选 flash

Introduction XM25QH64CKIQB08S as Second Source Flash on ESP32-PICO-V3-02

PCN 编号 PCN No.	PCN-2021-031	提出日期 Issue Date of PCN	2021/12/17
变更日期 Proposed Date of Change	2022/01/17	首次出货日期 Proposed Date of First Shipment	2022/02/17
PCN 类型 / PCN Category	☒ 客户需要批准/ Customer Approval Required ☐ 客户通知/ Customer Notification		

1. 影响产品名称/ Affected Product Name

芯片产品/ Chip Product: ESP32-PICO-V3-02,

模组产品/ Module Product: ESP32-PICO-MINI-02, ESP32-PICO-MINI-02U

2. 变更原因/ Reason for Change

乐鑫完成了武汉新芯集成电路制造有限公司 (XMC) 供应的料号为 XM25QH64CKIQB08S 的 flash 的物料验证测试并通过, 因此决定引入该 flash 作为段落 1 列出芯片产品的备选物料。由于段落 1 中列出的模组产品的主芯片为 ESP32-PICO-V3-02, 因此段落 1 中模组产品也发生相应变更。

Espressif has qualified flash Part Number: XM25QH64CKIQB08S provided by Wuhan Xinxin Semiconductor Manufacturing Co., Ltd. (XMC) as the new source for Espressif chip listed in Para 1. ESP32-PICO-V3-02 is the main chip of modules listed in Para 1. The modules listed in Para 1 will change accordingly.

3. 变更描述/ Description of Change

引入料号为 XM25QH64CKIQB08 的 8 MB, -40℃ ~ 85℃ flash 作为段落 1 涉及产品的备选 flash 物料。
Introducing the 8 MB, -40℃ ~ 85℃ flash, Part Number: XM25QH64CHIQT08S as an new source for the Espressif product listed in para1.

4. 变更信息/ Change Information

请见附录 I: 变更信息。

Please refer to Appendix I: Change Information.

5. 变更影响/ Impact of Change

1) 品质和性能/ Quality & Performance:

料号为 XM25QH64CKIQB08S 的 flash 已经通过物料验证测试。乐鑫确认该 flash 的品质和性能满足乐鑫通用物料的要求, 基于您的实际产品应用可进一步验证确认。

Flash Part Number XM25QH64CKIQB08S has completed qualification test. Espressif confirms it fully meets the general requirements for quality and performance. You are advised to perform further verification tests based on your products.

2) 交期/ Delivery: 不影响/ No Impact

3) 生产料号/ Material Part Numbers (MPN):

客户可以继续使用原有的芯片产品名称和模组 MPN 名称下单。

Customers can continue using existing chip product name and module MPN to place orders.

4) 认证/ Certification: 不影响/ No Impact

6. 变更前后产品处理/ How to Deal with Products

FIFO

7. 相关报告/ Report(s) Attached:

1) Related ECN No. ECN-2021-038

2) 芯片试产验证/Pilot Lot Verification: Pass

3) 射频性能验证/ RF Performance Verification: Pass

4) 物料验证/ Material Qualification: Pass

Appendix I 变更信息/ Change Information

Item	变更后 After Change
Flash Part Number	XM25QH64CKIQB08S
Product Name	See Product List in Para 1
Flash Operating Voltage	2.3V ~ 3.6V
Typical Power Supply Voltage (No Changes)	3.3V
Flash Capacity (No Changes)	8 MB
Flash Temperature Range (No Changes)	-40℃ ~ 85 ℃
Sector Erase Time (4KB) Typ./Max	40 ms / 400 ms
Block Erase Time (32KB) Typ./Max	0.12 s / 0.9 s
Block Erase Time (64KB) Typ./Max	0.25 s / 1.8 s
Chip Erase Time Typ./Max	25 s / 50 s

邮件订阅**Espressif Email Notifications**

乐鑫为注册用户提供电子邮件通知服务，用户可通过 [乐鑫订阅系统](#) 接收技术文档更新、新闻通讯、PCN 等邮件通知。

Espressif sends email notifications of technical documentation changes, along with newsletters, PCNs and other valuable information, to subscribed customers only. If you wish to stay updated on our products and services, please subscribe [here](#).

客户响应要求**Customer Response Requirements****需客户批准的变更/ Change Requiring Customer Approval:**

- a) 客户须在乐鑫发出 PCN 后的 30 天内告知乐鑫已收到 PCN。如客户未在接收到 PCN 后的 30 天内告知已收到，则视为客户收到变更。

Customers are requested to acknowledge receipt of the PCN within 30 calendar days from the date of issue of the PCN. Customers would be considered as notified 30 calendar days after issue of the PCN if no acknowledgement is received.

- b) 自发布 PCN 之日起 90 天内，客户没有任何其他反馈，则表示客户接受该 PCN。

The lack of any additional responses from customers within 90 calendar days from date of issue of the PCN constitutes acceptance of the proposed changes.

客户通知/ Customer Notification:

- a) 客户需在乐鑫发出 PCN 后 14 天内通知乐鑫收到该 PCN。如客户未在接收到 PCN 14 日反馈乐鑫，则视为客户确认该 PCN。

Customers are requested to acknowledge receipt of the PCN within 14 calendar days from the date of issue of the PCN. Customers would be considered as having acknowledged the PCN if no response is received after 14 calendar days.

请反馈至 pcn@espressif.com。

Please send feedback to pcn@espressif.com.

客户批准/确认信息**Customer Approval/Acknowledgement and Remarks**

客户公司全称:

Customer's Company Name:

PCN 评审结果/ PCN Review Result:

☐ 批准/确认 Accepted/Acknowledged

☐ 不批准/ Rejected

☐ 需要分析/ Further Analysis Required

客户意见/Comment:

公司代表人姓名

Representative's Name:

公司代表人职责

Representative's Job Title:

公司代表人签名

Representative's Signature:

日期

Date: