



乐鑫信息科技（上海）有限公司  
Espressif Systems (Shanghai) Pte., Ltd.

文件编号 Document No.	ESP-03-2-014-03	文件名称 Document Name	产品/工艺变更通知 Product/Process Change Notice
文件版本 Document Version	00	秘密级别 Security Classification	公开 Public

**变更标题/Change Title: ESP32-WROVER**

PCN 编号 PCN No.	P2018041301	提出日期 Issue Date of PCN	2018/04/13
产品名称 Product Name	ESP32-WROVER	变更日期 Proposed Date of Change	2018/04/13
封装类型/尺寸 Package Type/Size	31.4*18*3.1mm	首次出货日期 Proposed Date of First Shipment	About 2018/06/29

**客户批准/Customer Consent:** ☒ 需要批准/Approval Required

☐ 通知，无需批准/Notification, Approval Not Required

**变更等级/Change Classification:** ☐ 主要变更/Major ☒ 轻微变更/Minor

**变更原因/Reason for Change:**

1. 由于 32Mb PSRAM 升级，导致供应链缺货，短期内使用同类型 64Mb PSRAM 替代  
32Mb PSRAM upgrade, cause supply chain shortage, replace with 64 Mb PSRAM at short term.

**变更描述/Description of Change:**

当前状况/Current State:

1. ESP32-WROVER 32Mb PSRAM 升级，旧版本 PSRAM 供货短缺  
ESP32-WROVER 32Mb PSRAM upgrade, old version PSRAM supply chain shortage

**变更内容/Proposed Change:**

- 1: ESP32-WROVER PSRAM 短期内由 32Mb 变为 64Mb  
ESP32-WROVER 64Mb PSRAM replace 32Mb PSRAM at short term.

**变更影响/Impact of Change:**

1. 产品性能无影响  
No any impact on module performance

**变更识别方式/Method of Identifying Change:**

乐鑫增加 ESP32-WROVER 64Mb 模组的内部料号  
Espressif add Internal MPN with 64Mb PSRAM

**变更前后产品处理/How to deal with products:**

若客户端实际使用情况符合上述变更影响描述，则建议客户联系 Espressif 确认处理方式，联系方式为  
[pcn@espressif.com](mailto:pcn@espressif.com)

Should the changes mentioned in this PCN impact the use of these chips, users can contact us at  
[pcn@espressif.com](mailto:pcn@espressif.com).



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**相关报告/Report(s) Attached:**

Reliability Report or Plan: \_\_\_\_\_ N/A

Qualification Report or Plan: \_\_\_\_\_ N/A

RoHS/HF Test Report: \_\_\_\_\_ N/A

Function Test Report: \_\_\_\_\_ N/A

Other Reports (Pls specify): \_\_\_\_\_ N/A

变更人/Change Owner:

黄建

签名/Signature:

黄建

日期/Date:

2018-4-13

**Approved By**

批准人

Technical Support	梁春涛	Signature: 梁春涛	Date: 2018.4.13.
R&D Digital Team	符运生	Signature: 符运生	Date: 2018.4.13.
R&D Hardware	王栋	Signature: 王栋	Date: 2018.4.13.
QA	林春花	Signature: 林春花	Date: 2018.4.13
Sales Manager	易雨皓	Signature: 易雨皓	Date: 2018.4.13
Purchasing Manager	吴柏均	Signature: 吴柏均	Date: 2018.4.13
Marketing Manager	王珏	Signature: 王珏	Date: 2018.4.13
CEO	张瑞安	Signature: 张瑞安	Date: 2018.4.13

如果无需相关人员批准，请在相应栏位填写“N/A”。

Input "N/A" in column(s) where approval is not required.

注：以上信息由 Espressif 填写。

Note: The information above shall be filled in by Espressif.

**客户响应要求/Customer Response Requirements:**

客户须按照如下要求给予 Espressif PCN 反馈：

Customers are required to respond to Espressif according to the following guidelines to confirm receipt of the PCN:

**主要变更/For Major Changes:**

- 客户须在接收到 PCN 后的 30 天内告知已收到 PCN。
- Customers should acknowledge receipt of the PCN within 30 calendar days from the date of receiving the PCN.
- 如客户未在接收到 PCN 后的 30 天内告知已收到，则视为客户接受变更。
- Lack of acknowledgment of the PCN within 30 calendar days constitutes acceptance of the proposed changes.
- 客户告知确认收到 PCN 后，如未在 90 天内反馈其他要求，则视为客户接受变更。
- After customers acknowledge receipt of the PCN, lack of additional response on their part within 90 calendar days constitutes acceptance of the changes.



**轻微变更/For Minor Changes:**

a) 如客户未在接收到 PCN 后的 7 天内告知已收到，则视为客户接受变更。

a) Lack of acknowledgement of the PCN within 7 calendar days constitutes acceptance of the changes.

请反馈至 [pcn@espressif.com](mailto:pcn@espressif.com)。

Please feedback to [pcn@espressif.com](mailto:pcn@espressif.com).

注：以下信息由客户或 Espressif 销售与客户服务部门填写。

Note: The information below shall be filled in by customers or Espressif's sales department.

**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 Study Result: ☐ 批准/Approval ☐ 不批准/Disapproval ☐ 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: