

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	1.4	保存期限 Retention Period	5 年 5 years

ESP32-C3-WROOM-02U 量产 BOM 更新
BOM Change for ESP32-C3-WROOM-02U

PCN 编号 PCN No.	PCN20221201	提出日期 Issue Date of PCN	2022/12/26
变更日期 Proposed Date of Change	2022/01/14	预计变更后产品首次出货日期 Proposed Date of First Shipment After Change	2023/01/20
PCN 类型 / PCN Category	<input type="checkbox"/> 客户需要批准 / Customer Approval Required <input checked="" type="checkbox"/> 客户通知 / Customer Notification		

1. 影响产品名称 / Affected Product Name

Module	Part Number
ESP32-C3-WROOM-02U	ESP32-C3-WROOM-02U-N4
	ESP32-C3-WROOM-02U-H4
DevKit	Part Number
ESP32-C3-DevKitC-02U	ESP32-C3-DevKitC-02U

2. 变更原因 / Reason for Change

更改 ESP32-C3-WROOM-02U 模组上 L1 和 C7 位号的物料规格，以优化产品 EMC 性能。

Materials on the placement of L1 and C7 are going to be changed in order to optimize the EMC performance of the module.

3. 变更描述 / Description of Change

更改 ESP32-C3-WROOM-02U 模组上 L1 和 C7 位号的物料规格，以优化模组 EMC 性能。

同步地，开发板 ESP32-C3-DevKitC-02U 上的模组物料更新为变更后的 ESP32-C3-WROOM-02U 模组。

Materials on the placement of L1 and C7 are going to be changed in order to optimize the EMC performance of the module.

Simultaneously, the ESP32-C3-WROOM-02U module mounted on the ESP32-C3-DevKitC-02U are going to be replaced as well.

4. 变更对比 / Change Comparison

Component on the Module	Specification Before Change	Specification After Change
L1	0 Ω	2.0 nH
C7	NC	0.1 uF

5. 变更影响/ Impact of Change

1) 品质和性能/ Quality & Performance:

提升模组 EMC 性能, 更好地满足 FCC 认证要求。

EMC performance of the module will be optimized for meeting FCC requirement.

2) 交期/ Delivery: 无影响/ No impact.

3) 生产料号/ Material Part Numbers (MPN): 无影响/ No impact.

4) 认证/ Certification:

提升模组的 EMC 性能; 对已有的认证无影响。

EMC performance of the module will be optimized and this change does not impact the validity of acquired certificates.

5) 软件/ IDF: 无影响/ No impact.

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

FIFO

7. 相关报告/ Related Report(s):

Related ECN No. ECN-2022-044

射频性能验证/ RF Performance Verification: Pass

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 [the](#) 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: