

文件编号 Document No.	ESP-00-2-007-03	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	1.1	保存期限 Retention Period	3 年 3 years

<b>ESP32-WROVER 技术规格书工作温度信息变更和 C18 电容值变更</b> <b>Updating the Operating Temperature Information in the ESP32-WROVER Datasheet and Changing the C18 Capacitor of ESP32-WROVER from 1 uF to 4.7 uF.</b>			
PCN 编号 PCN No.	PCN-03-201800921	提出日期 Issue Date of PCN	2018-11-06
产品名称 Product Name	ESP32-WROVER	变更日期 Proposed Date of Change	2018-11-06
封装类型/尺寸 Package Type/Size	模组/Module	首次出货日期 Proposed Date of First Shipment	2018-12-06
客户批准/Customer Consent:		<input checked="" type="checkbox"/> 需要批准/Approval Required <input type="checkbox"/> 通知, 无需批准/Notification, Approval Not Required	
变更等级/Classification of Change:		<input checked="" type="checkbox"/> 主要变更/Major <input type="checkbox"/> 轻微变更/Minor	
<u>变更原因/Reason for Change:</u>			
<p>1. 经过对不同批次 ESP32-WROVER PSRAM 进行 85°C 验证, 可以满足 85°C 工作环境温度的需求; It has been verified that ESP32-WROVER can operate at 85°C by a test performed on several batches of the ESP32-WROVER modules' PSRAM. Thus, we will update the maximum operating temperature information in the ESP32-WROVER datasheet to reflect the actual capability of the module.</p> <p>2. ESP32-WROVER C18=1 uF 变为 C18 = 4.7 uF 有助于稳定 flash 电压, 且不影响模组性能。To enhance the module's performance, the C18 capacitor of ESP32-WROVER will be changed from a 1 uF capacitor to a 4.7 uF capacitor, which will provide a more stabilized flash voltage.</p>			
<u>变更描述/Description of Change:</u>			
<p>1. 将 ESP32-WROVER 技术规格书中的最高工作温度由 65°C 变为 85°C; Updating the maximum operating temperature from 65°C to 85°C in the ESP32-WROVER Datasheet;</p> <p>2. 将 C18 = 1 uF 变为 C18 = 4.7 uF。Changing the C18 Capacitor of ESP32-WROVER from a 1 uF capacitor to a 4.7 uF capacitor.</p>			
<u>变更影响/Impact of Change:</u>			
<p>1. ESP32-WROVER 技术规格书中的最高工作温度由 65°C 变为 85°C; Updated maximum operating temperature from 65°C to 85°C in the ESP32-WROVER Datasheet;</p> <p>2. C18 = 1 uF 变为 C18 = 4.7 uF。The C18 capacitor of ESP32-WROVER changed from a 1 uF capacitor to a 4.7 uF capacitor.</p>			
<u>变更识别方式/ Change Identification Method:</u>			
<p>1. 技术规格书版本升级 Updated ESP32-WROVER Datasheet;</p> <p>2. BOM 版本升级 Updated BOM.</p>			

**变更前后产品处理/How to Deal with Products:**

FIFO

**相关报告/Report(s) Attached:** Related ECN No.: \_\_\_\_\_ Reliability Report or Plan: \_\_\_\_\_ Function Test Report: \_\_\_\_\_ RoHS/HF Test Report: \_\_\_\_\_ Other Reports (Pls specify): \_\_\_\_\_**邮件订阅****Espressif Email Notifications**

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**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, and confirm receipt of the PCN:

**主要变更/For Major Changes:**

a) 客户须在乐鑫发出 PCN 后的 30 天内告知已收到 PCN。

Customers should confirm receipt of the PCN within 30 calendar days from the date Espressif sends it to them.

b) 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。

If customers do not confirm receipt of the PCN within 30 calendar days, they will be regarded as having accepted the proposed changes.

c) 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 the customers confirm receipt of the PCN, the lack of any additional responses on their part within 90 calendar days constitutes acceptance of the proposed 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。

If customers do not confirm receipt of the PCN within 7 calendar days, they will be regarded as having accepted the proposed changes.

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

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