

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)
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Document Version		Retention Period	5 years

升级模组包装标签,ESP32-WROOM-32D KCC ID 以及部分模组增加 PCB 背面塞孔
Upgrading the label format, updating KCC ID for ESP32-WROOM-32D and filling the thermal pad
with solder mask for ESP32-WROOM-32D & ESP32-WROOM-32U

PCN 编号 PCN No.	PCN-2021-009	提出日期 Issue Date of PCN	2021/04/10
变更日期 Proposed Date of Change	2021/04/25	首次出货日期 Proposed Date of First Shipment	2021/04/25
PCN 类型 / PCN Category	□客户需要批准/Customer Approval Required ☑ 客户通知/Customer Notification		

1. 涉及产品名称/Affected Product Name

1) 模组包装标签升级影响产品:乐鑫通用模组;

Label format upgrading will be implemented to all of ESP modules;

2) KCC ID 变更影响产品: ESP32-WROOM-32D;

The KCC ID on the laser marking of ESP32-WROOM-32D will be updated;

3) PCB thermal pad 塞孔影响产品: ESP32-WROOM-32D & ESP32-WROOM-32U Thermal pad of ESP32-WROOM-32D and ESP32-WROOM-32U will be filled with solder mask.

2. 变更原因/Reason for Change

为更好地匹配模组认证的要求以及优化模组产品的品质,针对乐鑫模组产品实施对应变更。

Further changes will be implemented to ESP modules in order to better meet the certification requirements and optimize the quality of modules.

3. 变更描述/Description of Change

1) 模组产品包装外箱标签更新,采用乐鑫最新包装标签格式,详见附录变更对比;

The label format on both the pizza box and carton box is updated with the latest version. Please refer to appendix for details.

- 2) ESP32-WROOM-32D 模组单个本体部分屏蔽盖丝印更改为最新 KCC ID, 详见附录变更对比; The laser marking on the shielding of ESP32-WROOM-32D is updated with the latest KCC ID. Please refer to appendix for details.
- 3) ESP32-WROOM-32D & ESP32-WROOM-32U 模组背面 thermal pad 增加背面塞孔,以提升模组二次回流可靠性。模组设计无变更,详见附录变更对比。

The thermal pad on the back of ESP32-WROOM-32D and ESP32-WROOM-32U is filled with solder

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mask for a better reliability during customer's reflow process. Module layout is kept no change. Please refer to appendix for details.

4. 变更对比/Change Comparison

请见附录 I: 变更对比。

Please refer to Appendix I: Change comparison.

5. 变更影响/Impact of Change

1) 品质和性能/ Quality & Performance:

针对 ESP32-WROOM-32D & ESP32-WROOM-32U 背面焊盘塞孔变更,可以优化客户二次回流可能导致的芯片移位问题。

It would help with the chip displacement issue during customer reflow process when the thermal pad is filled with solder mask for ESP32-WROOM-32D and ESP32-WROOM-32U.

2) 交期/Delivery:

无影响。

No change.

3) 生产料号/Material Part Numbers (MPN):

无影响。

No change.

4) 认证/Certification:

变更 ESP32-WROOM-32D KCC 认证丝印。

The KCC ID on the shielding of ESP32-WROOM-32D is updated as shown in appendix I.

6. 变更前后产品处理/How to Deal with Products

FIFO.

7. 相关报告/Report(s) Attached:

☑Certifications

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Appendix I 变更对比/Change Comparison

1. 标签变更/Label Change



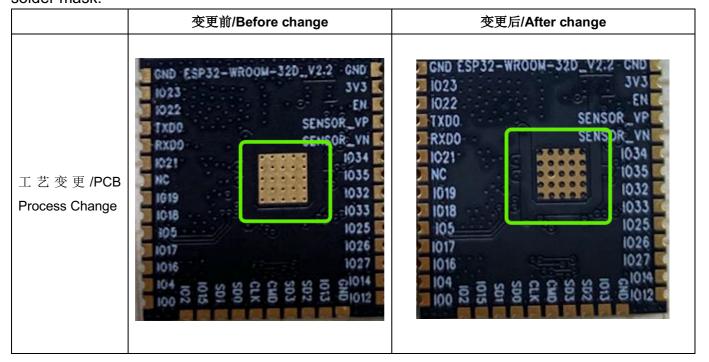
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2. ESP32-WROOM-32D KCC ID 变更/KCC ID Change for ESP32-WROOM-32D



3. ESP32-WROOM-32D & ESP32-WROOM-32U PCB 工艺变更: 增加背面塞孔/PCB Process Change for ESP32-WROOM-32D and ESP32-WROOM-32U: The thermal pad is filled with solder mask.



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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<u>乐鑫订阅系统</u>接收技术文档更新、新闻通讯、PCN等邮件通知。

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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:					
	□批准/确认 Accepted/Acknowledged				
PCN 评审结果/PCN Review Result:	□不批准/Rejected				
	□需要分析/Further Analysis Required				

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客户意见/Comment:			
公司代表人姓名		公司代表人职责	
Representative's Name:		Representative's Job Title:	
公司代表人签名		日期	
Representative's Signature:		Date:	

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