

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

乐鑫芯片产品包装盖带材料变更 Espressif Chip Product Cover Tape Material Change																																	
PCN 编号 PCN No.	PCN-03-20190524	提出日期 Issue Date of PCN	2019/5/24																														
产品名称 Product Name	见变更描述 See below for details	变更日期 Proposed Date of Change	2019/6/1																														
封装类型/尺寸 Package Type/Size	QFN 5X5	首次出货日期 Proposed Date of First Shipment	2019/6/14																														
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/Classification of Change: ☐ 主要变更/Major ☒ 轻微变更/Minor																																	
<u>变更原因/Reason for Change:</u> 原包装盖带所用型号（ALS-PRA）升级并停止生产。 Original packing cover tape (ALS-PRA) upgrade and stop production.																																	
<u>影响产品/Affected Products:</u> ESP32-D0WD, ESP32-S0WD, ESP32-D2WD, ESP8266EX, ESP8285, ESP8689, ESP8089																																	
<u>变更描述/Description of Change:</u> <table border="1"> <thead> <tr> <th colspan="3">包装盖带材料变更描述 Description of Cover Tape Material Change</th> </tr> <tr> <th>Item</th><th>Before Change</th><th>After Change</th></tr> </thead> <tbody> <tr> <td>PN</td><td>KOSTAT ALS-PRA</td><td>KOSTAT CMT-200</td></tr> <tr> <td>Thickness</td><td>0.055±0.01mm</td><td>0.045±0.01mm</td></tr> <tr> <td>Color</td><td>transparent</td><td>transparent gray</td></tr> <tr> <td>Total Transmittance</td><td>90%</td><td>88%</td></tr> <tr> <td>Haze</td><td><55%</td><td><28%</td></tr> <tr> <td>Surface resistibility</td><td></td><td></td></tr> <tr> <td>PET side</td><td>10¹¹ Ω/sq</td><td>10¹⁰ Ω/sq</td></tr> <tr> <td>Sealant side</td><td>10¹¹ Ω/sq</td><td>10⁸ Ω/sq</td></tr> </tbody> </table>				包装盖带材料变更描述 Description of Cover Tape Material Change			Item	Before Change	After Change	PN	KOSTAT ALS-PRA	KOSTAT CMT-200	Thickness	0.055±0.01mm	0.045±0.01mm	Color	transparent	transparent gray	Total Transmittance	90%	88%	Haze	<55%	<28%	Surface resistibility			PET side	10 ¹¹ Ω/sq	10 ¹⁰ Ω/sq	Sealant side	10 ¹¹ Ω/sq	10 ⁸ Ω/sq
包装盖带材料变更描述 Description of Cover Tape Material Change																																	
Item	Before Change	After Change																															
PN	KOSTAT ALS-PRA	KOSTAT CMT-200																															
Thickness	0.055±0.01mm	0.045±0.01mm																															
Color	transparent	transparent gray																															
Total Transmittance	90%	88%																															
Haze	<55%	<28%																															
Surface resistibility																																	
PET side	10 ¹¹ Ω/sq	10 ¹⁰ Ω/sq																															
Sealant side	10 ¹¹ Ω/sq	10 ⁸ Ω/sq																															
<u>变更影响/Impact of Change:</u> 对产品使用无影响。 There is no effect on the use of the product.																																	

变更识别方式/ Change Identification Method:

通过包装标签纸上显示的生产周别可直接区分变更前后的产品。

The changed products can be identified from the manufacture date code displayed on the label attached on the packaging pizza box.

显示位置/Identification Method	变更前/Before Change	变更后/After Change
内盒包装标签显示生产周别 Line 8 and Line 9 on the barcode label attached to the packaging pizza box of the product, which describes the date code of the product. 	Line 8&9: 小于 1923, 表示 2019 年第 23 周之前。 Line 8&9: The date code number is less than 1923, indicating the date of manufacture for the product is before the 23th week of the year 2019.	Line 8&9: 大于等于 1923, 表示 2019 年第 23 周及以后。 Line 8&9: The date code number is greater than or equal to 1923, indicating the date of manufacture for the product is after or in the 23th week of the year 2019.

变更前后产品处理:/How to Deal with Products:

对产品使用无影响，无需进行区分处理。

It has no effect on the use of the product and does not need to be distinguished.

相关报告/Report(s) Attached:

☒ Related ECN No.:	ECN-03-20190510
☐ Reliability Report or Plan:	NA
☒ RoHS/HF Test Report:	CMT-200 SGS Test Report
☐ Other Reports (Pls specify):	NA

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

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。

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/Approval

PCN 评审结果/PCN Review Result: ☐ 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: