

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	1.3	保存期限 Retention Period	5 年 5 years

变更乐鑫模组屏蔽盖丝印标识 Shield Cover Marking Change for ESP Modules			
PCN 编号 PCN No.	PCN-2021-008	提出日期 Issue Date of PCN	2021/03/16
变更日期 Proposed Date of Change	2021/03/19	首次出货日期 Proposed Date of First Shipment	2021/03/23
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		
<b>1. 影响产品名称/Affected Product Name</b> ESP-WROOM-02D/ESP32-WROOM-32D/ESP32-WROVER-B/ESP32-WROVER-IB/ ESP32-WROVER-IE/ESP32-WROOM-32E/ESP32-WROOM-32UE/ESP32-SOLO-1			
<b>2. 变更原因/Reason for Change</b> 为了更好的匹配认证要求，乐鑫对段落 1 列出模组的通用丝印做出调整以符合目前取得的无线认证要求。 To better meet the latest certification requirements, Espressif updated the marking of shield cover for the modules listed in Para 1.			
<b>3. 变更描述/Description of Change</b> 更新屏蔽盖上的丝印标签。 Update shield cover markings.			
<b>4. 变更对比/Change Comparison</b> 请见附录 I: 变更对比。 Please refer to Appendix I: Change comparison.			
<b>5. 变更影响/Impact of Change</b> <ul style="list-style-type: none"> <li>(1) 客户使用相关/Customer usage 当前变更不会产生影响客户使用。 There is no impact to customer use.</li> <li>(2) 品质和性能/Quality &amp; Performance: 对于段落 1 列出模组产品的品质和性能没有影响。 There is no impact to quality and performance of the affected Espressif modules listed in para 1.</li> <li>(3) 交期/Delivery: 对于段落 1 列出模组产品的交期没有影响。 There is no impact to delivery performance of the affected Espressif modules listed in para 1.</li> <li>(4) 生产料号/Material Part Numbers (MPN):</li> </ul>			

无需对段落 1 列出模组产品的 MPN 做出变更。客户可以用原有的 MPN 下单。

There is no change to the MPN of the affected Espressif modules listed in para 1. Customers can continue to use existing MPN to place orders.

(5) 认证/Certification:

变更了段落 1 所列出模组的认证丝印。

The certification marking is updated for the Espressif modules listed in para 1.

(6) 其他/Others:

NA

6. 变更前后产品处理/How to Deal with Products

FIFO

7. 相关报告/Report(s) Attached











Related ECN No.                      ECN-2021-011

Certification                              <https://www.espressif.com/en/support/documents/certificates>











## Appendix I 变更对比/Change Comparison

<b>1.ESP-WROOM-02D only KCC logo</b>	
Before Change	After Change
<p style="text-align: center; font-weight: bold;">ESPRESSIF</p> <p style="text-align: center; font-weight: bold;">ESP-WROOM-02D</p> <p style="text-align: center;">   CCAP18LP0160T8         </p> <p style="text-align: center;">  R-CRM-es5-ESP-WROOM-02D            R201-171000         </p> <p>           CMIIT ID: 2017DP7231            IC: 21098-ESPWROOM02D            FCC ID: 2AC7Z-ESPWROOM02D         </p> <p style="text-align: center;">           乐鑫信息科技（上海）            股份有限公司            XXXXXX         </p> 	<p style="text-align: center; font-weight: bold;">ESPRESSIF</p> <p style="text-align: center; font-weight: bold;">ESP-WROOM-02D</p> <p style="text-align: center;">   CCAP18LP0160T8         </p> <p style="text-align: center;">   R201-171000         </p> <p>           CMIIT ID: 2017DP7231            IC: 21098-ESPWROOM02D            FCC ID: 2AC7Z-ESPWROOM02D         </p> <p style="text-align: center;">           乐鑫信息科技（上海）            股份有限公司            XXXXXX         </p> 
<b>2.ESP32-WROOM-32D add ANATEL ID</b>	
Before Change	After Change
<p style="text-align: center; font-weight: bold;">ESPRESSIF</p> <p style="text-align: center; font-weight: bold;">ESP32-WROOM-32D</p> <p style="text-align: center;">    CCAH18LP0201T7         </p> <p style="text-align: center;">  R-C-Esy-ESPWROOM32D            R211-171102         </p> <p>           FCC ID:2AC7Z-ESPWROOM32D            IC:21098-ESPWROOM32D            CMIIT ID:2018DP2467         </p> <p style="text-align: center;">           乐鑫信息科技（上海）            股份有限公司            XXXXXX         </p> 	<p style="text-align: center; font-weight: bold;">ESPRESSIF</p> <p style="text-align: center; font-weight: bold;">ESP32-WROOM-32D</p> <p style="text-align: center;">    CCAH18LP0201T7         </p> <p style="text-align: center;">  R-C-Esy-ESPWROOM32D            R211-171102         </p> <p>           FCC ID:2AC7Z-ESPWROOM32D  <span style="border: 1px solid red; padding: 2px;">ANATEL ID: 02152-20-11541</span>            IC:21098-ESPWROOM32D            CMIIT ID:2018DP2467         </p> <p style="text-align: center;">           乐鑫信息科技（上海）            股份有限公司            XXXXXX         </p> 

### 3. ESP32-WROVER-B updated KCC ID

Before Change	After Change
<p>ESPRESSIF</p> <p>ESP32-WROVER-B</p> <p> CCAP18LP0920T2  211-180419</p> <p>  R-C-Esy-ESP32WROVERB</p> <p>FCC ID:2AC7Z-ESP32WROVERB IC:21098-ESPWROVERB CMIIT ID: 2018DP3125</p> <p>乐鑫信息科技（上海） 股份有限公司</p> <p>XXXXXX</p> 	<p>ESPRESSIF</p> <p>ESP32-WROVER-B</p> <p> CCAP18LP0920T2  211-180419</p> <p>  R-CRM-es5-ESP32WROVERB</p> <p>FCC ID:2AC7Z-ESP32WROVERB IC:21098-ESPWROVERB CMIIT ID: 2018DP3125</p> <p>乐鑫信息科技（上海） 股份有限公司</p> <p>XXXXXX</p> 




### 4. ESP32-WROVER-IB updated KCC/NCC ID

Before Change	After Change
<p>ESPRESSIF</p> <p>ESP32-WROVER-IB</p> <p> CCAP18LP0920T2  211-180419</p> <p>  R-C-Esy-ESP32WROVERB</p> <p>FCC ID:2AC7Z-ESP32WROVERB IC:21098-ESPWROVERB CMIIT ID: 2019DP1304 (M)</p> <p>乐鑫信息科技（上海） 股份有限公司</p> <p>XXXXXX</p> 	<p>ESPRESSIF</p> <p>ESP32-WROVER-IB</p> <p> CCAP18LP0921T4  211-180419</p> <p>  R-CRM-es5-ESP32WROVERB</p> <p>FCC ID:2AC7Z-ESP32WROVERB IC:21098-ESPWROVERB CMIIT ID: 2019DP1304 (M)</p> <p>乐鑫信息科技（上海） 股份有限公司</p> <p>XXXXXX</p> 

### 5. ESP32-WROOM-32E add MIC/KCC/IC ID

Before Change	After Change
 <b>ESPRESSIF</b> ESP32-WROOM-32E   FCC ID: 2AC7Z-ESP32WROOM32E CMIIT ID: 2020DP2713 乐鑫信息科技（上海） 股份有限公司  XXXXXX 	 <b>ESPRESSIF</b> ESP32-WROOM-32E    R 217-204070  R-C-es5-ESP32WROOM32E FCC ID: 2AC7Z-ESP32WROOM32E <u>IC ID: 21098-ESPWROOM32E</u> CMIIT ID: 2020DP2713 乐鑫信息科技（上海） 股份有限公司  XXXXXX 










### 6. ESP32-WROOM-32UE add KCC logo

Before Change	After Change
 <b>ESPRESSIF</b> ESP32-WROOM-32UE   FCC ID:2AC7Z-ESPWROOM32UE CMIIT ID: 2020DP3047(M) 乐鑫信息科技（上海） 股份有限公司  XXXXXX 	 <b>ESPRESSIF</b> ESP32-WROOM-32UE    FCC ID:2AC7Z-ESPWROOM32UE CMIIT ID: 2020DP3047(M) IC ID:21098-ESPWROOMUE 乐鑫信息科技（上海） 股份有限公司  XXXXXX 

### 7. ESP32-WROVER-IE updated NCC ID

Before Change	After Change
 <b>ESPRESSIF</b> ESP32-WROVER-IE  CCAP20LP1070T9  R 211-200403   R-C-es5-ESP32WROVERE FCC ID : 2AC7Z-ESP32WROVERE IC ID : 21098-ESPWROVERE CMIIT ID : 2020DP1675(M) 乐鑫信息科技（上海） 股份有限公司 XXXXXX 	 <b>ESPRESSIF</b> ESP32-WROVER-IE  CCAP20LP1071T1  R 211-200403   R-C-es5-ESP32WROVERE FCC ID : 2AC7Z-ESP32WROVERE IC ID : 21098-ESPWROVERE CMIIT ID : 2020DP1675(M) 乐鑫信息科技（上海） 股份有限公司 XXXXXX 

### 8. ESP32-SOLO-1 updated KCC ID

Before Change	After Change
 <b>ESPRESSIF</b> ESP32-SOLO-1    CCAP18LP0040T1  R-C-Esy-ESP32SOLO1  R 211-180105 FCC ID: 2AC7Z-ESP32SOLO1 IC: 21098-ESP32SOLO1 CMIIT ID: 2018DP1904 乐鑫信息科技（上海） 股份有限公司 XXXXXX 	 <b>ESPRESSIF</b> ESP32-SOLO-1    CCAP18LP0040T1  R-C-ldk-WB24SBX  R 211-180105 FCC ID: 2AC7Z-ESP32SOLO1 IC: 21098-ESP32SOLO1 CMIIT ID: 2018DP1904 乐鑫信息科技（上海） 股份有限公司 XXXXXX 

注/Remark:

图中红框仅为变更示意，最终产品丝印不显示。

The red circle is only a signal of change and will not showed on final product laser marking.

## Appendix II 补充说明/Additional Remarks

根据 KCC 国立传播研究原稿第 2019-12 号 (P68 2.标识) , ESP-WR00M-02D & ESP32-WROOM-32UE 可以在屏蔽盖只镭刻 KC 标识。

原文内容:

2.产品最大单面面积低于 400 平方毫米的小型产品, 不能作出合格评价标志的, 可以在产品包装上贴有合格评价标志, 或者只能在产品上标明基本图案或者识别符号。

According to KCC National Communications Research Manuscript No. 2019-12 (P68 2. Labeling), we can laser KC logo on shield cover for ESP-WR00M-02D&ESP32-WROOM-32UE.

Original Content:

2. For small products with a single surface area of less than 400, where a mark of conformity assessment cannot be made, a mark of conformity assessment may be affixed to the product package, or basic patterns or identification symbols may only be marked on the product.

**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 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](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/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: