### ESP32-C3-WROOM-02U 量产 BOM 更新

**BOM Change for ESP32-C3-WROOM-02U**

<table>
<thead>
<tr>
<th>PCN 编号 / PCN No.</th>
<th>Issue Date of PCN</th>
<th>Proposed Date of Change</th>
<th>Proposed Date of First Shipment After Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCN20221201</td>
<td>2022/12/26</td>
<td>2022/01/14</td>
<td>2023/01/20</td>
</tr>
</tbody>
</table>

#### 1. 影响产品名称/ Affected Product Name

<table>
<thead>
<tr>
<th>Module</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESP32-C3-WROOM-02U</td>
<td>ESP32-C3-WROOM-02U-N4</td>
</tr>
<tr>
<td></td>
<td>ESP32-C3-WROOM-02U-H4</td>
</tr>
<tr>
<td>DevKit</td>
<td>Part Number</td>
</tr>
<tr>
<td>ESP32-C3-DevKitC-02U</td>
<td>ESP32-C3-DevKitC-02U</td>
</tr>
</tbody>
</table>

#### 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

<table>
<thead>
<tr>
<th>Component on the Module</th>
<th>Specification Before Change</th>
<th>Specification After Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>0 Ω</td>
<td>2.0 nH</td>
</tr>
<tr>
<td>C7</td>
<td>NC</td>
<td>0.1 uF</td>
</tr>
</tbody>
</table>
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Espressif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。如客户未在收到PCN14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:

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