ESP32-WROVER 技术规格书工作温度信息更变和 C18 电容值更变

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.

<table>
<thead>
<tr>
<th>PCN 编号/PCN No.</th>
<th>PCN-03-201800921</th>
<th>提出日期/Issue Date of PCN</th>
<th>2018-11-06</th>
</tr>
</thead>
<tbody>
<tr>
<td>产品名称/Product Name</td>
<td>ESP32-WROVER</td>
<td>变更日期/Proposed Date of Change</td>
<td>2018-11-06</td>
</tr>
<tr>
<td>封装类型/尺寸/Package Type/Size</td>
<td>模组/Module</td>
<td>首次出货日期/Proposed Date of First Shipment</td>
<td>2018-12-06</td>
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</tbody>
</table>

客户批准/Customer Consent: ☑需批准/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

变更原因/Reason for Change:
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.
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.

变更描述/Description of Change:
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;
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.

变更影响/Impact of Change:
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;
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.

变更识别方式/Change Identification Method:
1. 技术规格书版本升级 Updated ESP32-WROVER Datasheet;
2. BOM 版本升级 Updated BOM.
**How to Deal with Products:**

FIFO

**Report(s) Attached:**

- Related ECN No.: 
- Reliability Report or Plan: 
- Function Test Report: 
- RoHS/HF Test Report: 
- Other Reports (Pls specify):

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**Customer Response Requirements**

Customers are required to respond to Espressif, according to the following guidelines, and confirm receipt of the PCN:

**For Major Changes:**

a) Customers must inform Espressif of the PCN within 30 calendar days of receipt.

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

c) After the customers confirm receipt of the PCN, the lack of any additional responses within 90 calendar days constitutes acceptance of the proposed changes.

**For Minor Changes:**

a) Customers must inform Espressif of the PCN within 7 calendar days of receipt.

b) If customers do not confirm receipt of the PCN within 7 calendar days, they will be regarded as having accepted the proposed changes.
<table>
<thead>
<tr>
<th>客户公司全称:</th>
<th>Customer's Company Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCN评审结果/PCN Review Result:</td>
<td>□批准/Approval □不批准/Disapproval □需要分析/Further Analysis Required</td>
</tr>
<tr>
<td>客户意见/Comment:</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>公司代表人姓名</th>
<th>Representative's Name:</th>
<th>公司代表人职责</th>
<th>Representative's Job Title:</th>
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</thead>
<tbody>
<tr>
<td>公司代表人签名</td>
<td>Representative's Signature:</td>
<td>日期</td>
<td>Date:</td>
</tr>
</tbody>
</table>

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