

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

<p>变更 ESP32-LyraT, ESP32-LyraTD-MSC, ESP32-LyraT-Mini 上的 ESP32-WROVER-B 模组为 ESP32-WROVER-E</p> <p>Change of module from ESP32-WROVER-B to ESP32-WROVER-E on ESP32-LyraT, ESP32-LyraTD-MSC, and ESP32-LyraT-Mini</p>			
PCN 编号 PCN No.	PCN-2020-013	提出日期 Issue Date of PCN	2020/8/28
变更日期 Proposed Date of Change	2020/8/28	首次出货日期 Proposed Date of First Shipment	2020/11/28
PCN 类型 / PCN Category	<input checked="" type="checkbox"/> 客户需要批准/Customer Approval Required <input type="checkbox"/> 客户通知/Customer Notification		
<p>1. 影响产品名称/Affected Product Name</p> <p>ESP32-LyraT, ESP32-LyraTD-MSC, ESP32-LyraT-Mini</p>			
<p>2. 变更原因/Reason for Change</p> <p>ESP32-WROVER-E 模组搭载的 ESP32 D0WD-V3 芯片相较于 ESP32-WROVER-B 模组搭载的 ESP32-D0WD 芯片实现了升级和优化，建议使用搭载了 ESP32-WROVER-E 的开发板进行开发。</p> <p>Development boards with ESP32-WROVER-E based on ESP32-D0WD-V3 chip upgrade are recommended over ESP32-WROVER-B with ESP32-D0WD chip.</p>			
<p>3. 变更描述/Description of Change</p> <p>1. ESP32-LyraT, ESP32-LyraTD-MSC 两款开发板上搭载的模组由 ESP32-WROVER-B (4MB flash, 8MB PSRAM) 变更为 ESP32-WROVER-E (8MB flash, 8MB PSRAM).</p> <p>2. ESP32-LyraT-Mini 开发板上搭载的模组由 ESP32-WROVER-B (8MB flash, 8MB PSRAM) 变更为 ESP32-WROVER-E (8MB flash, 8MB PSRAM).</p> <p>1. The module ESP32-WROVER-B (4MB flash, 8MB PSRAM) on ESP32-LyraT and ESP32-LyraTD-MSC is replaced by ESP32-WROVER-E (8MB flash, 8MN PSRAM).</p> <p>2. The module ESP32-WROVER-B (8MB flash, 8MB PSRAM) on ESP32-LyraT-Mini is replaced by ESP32-WROVER-E (8MB flash, 8MB PSRAM).</p>			

4. 变更对比/Change Comparison

请参考 Appendix 1 变更对比。

Please refer to Appendix1 Change Comparison.

5. 变更影响/Impact of Change

品质和性能/Quality & Performance:

对于段落 1 列出的开发板产品的品质没有影响。芯片性能的不同请参考 [ESP32 ECO V3 使用指南](#)

There is no impact on the quality of the development boards listed in para1. Please refer to [ESP32 ECO V3 User Guide](#) for comparison of chip performance.

交期/Delivery:

对于段落 1 列出的开发板产品的交期没有影响。

There is no impact on the delivery of the development boards listed in para1.

生产料号/Material Part Numbers (MPN):

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 development boards listed in para 1. Customers can continue to use existing MPN to place orders.

认证/Certification:

NA

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-2020-043

Material Qualification Report

Performance Test Report

Reliability Test Report

Environment Related Report

(RoHS / REACH / HF etc.)

Certification

Other Reports (Pls specify)

Appendix I 变更对比/Change Comparison

	Before change	After change
ESP32-LyraT	ESP32-WROVER-B(M213DH3264PH3Q0) On board	ESP32-WROVER-E(M213EH6464PH3Q0) On board
ESP32-LyraTD-MSK	ESP32-WROVER-B(M213DH3264PH3Q0) On board	ESP32-WROVER-E(M213EH6464PH3Q0) On board
ESP32-LyraT-Mini	ESP32-WROVER-B(M213DH6464PH3Q0) On board	ESP32-WROVER-E(M213EH6464PH3Q0) On board

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。

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:	