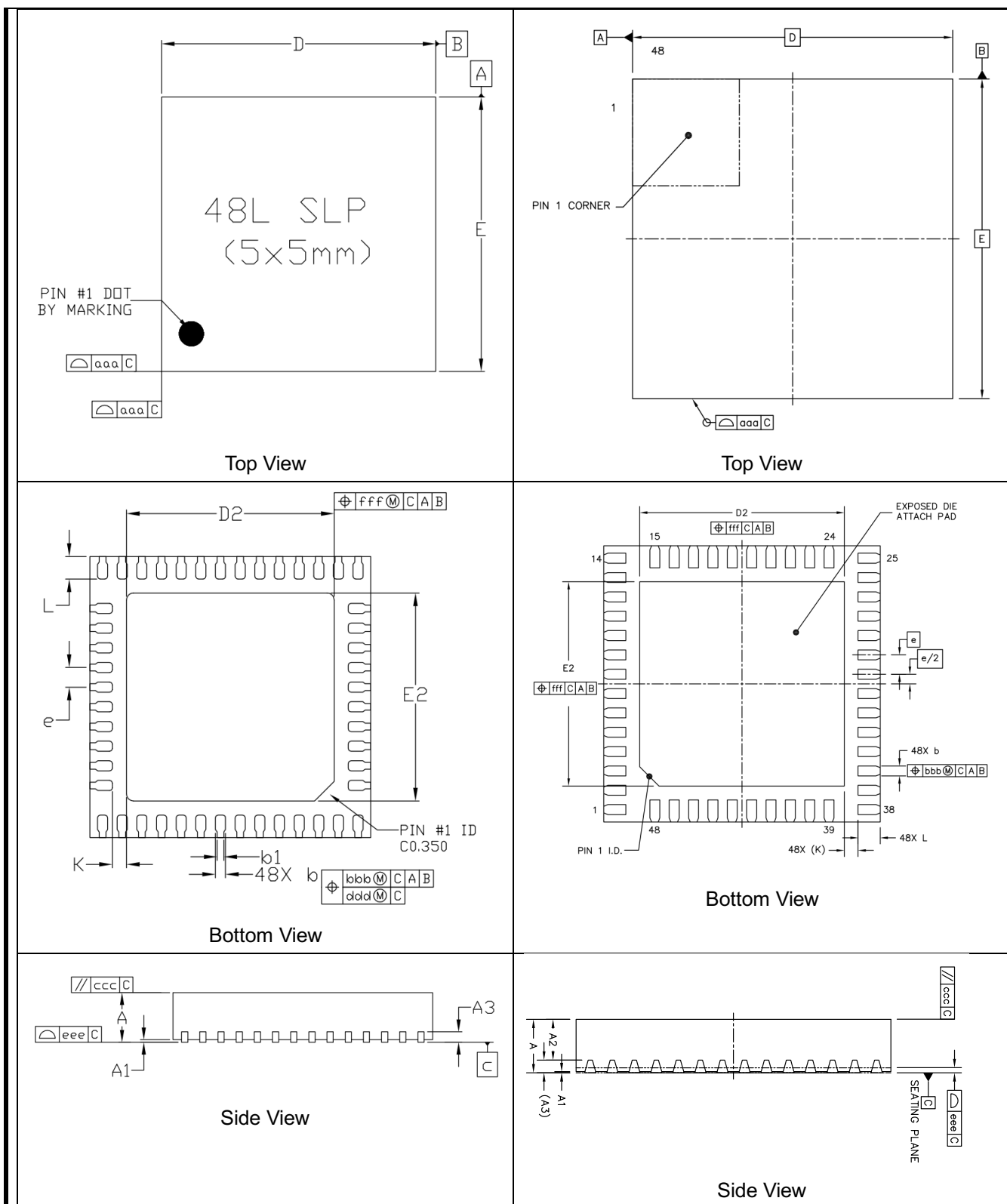


文件编号 Document No.	ESP-00-2-007-03	文件名称 Document Name	产品/工艺变更通知 Product/Process Change Notice
文件版本 Document Version	1.1	保存期限 Retention Period	3 年 3 years

ESP32-D0WD 和 ESP32-S0WD 增加封测厂 Add a new Assembly and Test Manufacturing (ATM) plant for ESP32-D0WD and ESP32-S0WD			
PCN 编号 PCN No.	PCN-03-20180810	提出日期 Issue Date of PCN	2018/08/10
产品名称 Product Name	ESP32-D0WD ESP32-S0WD	变更日期 Proposed Date of Change	2018/08/20
封装类型/尺寸 Package Type/Size	QFN/5x5	首次出货日期 Proposed Date of First Shipment	2018/11/20
客户批准/Consent:	<input checked="" type="checkbox"/> 需要批准/Approval Required <input type="checkbox"/> 通知, 无需批准/Notification, Approval Not Required		
变更等级/Change Classification:	<input checked="" type="checkbox"/> 主要变更/Major <input type="checkbox"/> 轻微变更/Minor		
<u>变更原因/Reason for Change:</u>			
<p>ESP32-D0WD &amp; ESP32-S0WD 市场需求持续增长, 为满足市场需求, 持续稳定供货, 特增加封装测试厂。            In order to meet the growing market demand and ensure a stable supply of ESP32-D0WD and ESP32-S0WD, Espressif will add a new Assembly and Test Manufacturing (ATM) plant to produce the two above-mentioned products.</p>			
<u>变更描述/Description of Change:</u>			
<p><b>当前状况/Current State:</b>            ESP32-D0WD &amp; ESP32-S0WD 封测厂为 Unisem Cheng Du Co.,Ltd            The current Assembly and Test Manufacturing (ATM) plant for the production of ESP32-D0WD and ESP32-S0WD is Unisem Chengdu Co.,Ltd.</p>			
<p><b>变更内容/Proposed Change:</b>            增加江苏长电科技股份有限公司 (JCET) 为 ESP32-D0WD &amp; ESP32-S0WD 的封测厂。            Jiangsu Changdian Elec. Tech. (JCET) will be added as a new Assembly and Test Manufacturing (ATM) plant for Espressif to produce ESP32-D0WD &amp; ESP32-S0WD.</p>			
<u>变更对比/Comparison:</u>			
<b>Package Outline Diagram (POD)</b>			
Unisem		JCET	



**POD Dimensional Ref (Unit: mm)**

Item Description	Unisem				JCET			
	Ref	Min	Nor	Max	Ref	Min	Nor	Max
Total thickness	A	0.800	0.850	0.900	A	0.8	0.85	0.9

Stand off	A1	0.000	--	0.050	A1	0	0.02	0.05
Mold thickness	--	--	--	--	A2	--	0.65	--
L/F thickness	A3	0.203 REF			A3	0.203 REF		
Body size X	D	4.950	5.000	5.050	D	4.95	5	5.05
Body size Y	E	4.950	5.000	5.050	E	4.95	5	5.05
EP size X	D2	3.650	3.700	3.750	D2	3.65	3.7	3.75
EP size Y	E2	3.650	3.700	3.750	E2	3.65	3.7	3.75
Lead width	b	0.130	0.180	0.230	b	0.13	0.18	0.23
Lead end width	b1	0.070	0.120	0.170	--	--	--	--
<b>Lead length</b>	<b>L</b>	<b>0.350</b>	0.400	<b>0.450</b>	<b>L</b>	<b>0.3</b>	0.4	<b>0.5</b>
Lead pitch	e	0.350 BSC			e	0.35 BSC		
Lead tip to exposed pad edge	K	0.25 REF			K	0.25 REF		

**变更影响/Impact of Change:**

- 影响产品外观，不同封装测试厂生产之芯片引脚尺寸和引脚形状不同。  
The appearance of the products will not be exactly the same: the size and shape of chip pins will vary from different plants.
- 如客户产线贴片模具可兼容新增封装测试厂生产之芯片，则无影响。  
Customers using SMT molds that are compatible with chips produced by the newly added plant will not be affected by the change.
- 如客户产线贴片模具无法兼容新增封装测试厂生产之芯片，则建议客户联系 Espressif 确认处理方式，联系方式为 [pcn@espressif.com](mailto:pcn@espressif.com)。  
For customers using SMT molds that are incompatible with chips produced by the newly added plant, please contact Espressif at [pcn@espressif.com](mailto:pcn@espressif.com).

**变更识别方式/Method of Identifying Change:**

通过芯片背面引脚形状及尺寸可区分不同封装测试厂之产品。  
The chips produced by different Assembly and Test Manufacturing (ATM) plants can be identified by the shape and size of the chip pins.

**相关报告/Report(s) Attached:**

Related ECN No.: ECN-03-20180702

**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 provides email notifications to keep customers updated on technical documentation changes, newsletters, PCN updates and other valuable information only to registered users. 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 to confirm receipt of the PCN:

**主要变更/For Major Changes:**

a) 客户须在接收到 PCN 后的 30 天内告知已收到 PCN。

Customers should acknowledge receipt of the PCN within 30 calendar days from the date of receiving the PCN.

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。

Lack of acknowledgment of the PCN within 30 calendar days constitutes acceptance of 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 customers acknowledge receipt of the PCN, lack of additional response on their part within 90 calendar days constitutes acceptance of the 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。

Lack of acknowledgement of the PCN within 7 calendar days constitutes acceptance of the changes.

请反馈至 [pcn@espressif.com](mailto:pcn@espressif.com)。

Please 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/Approval

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: