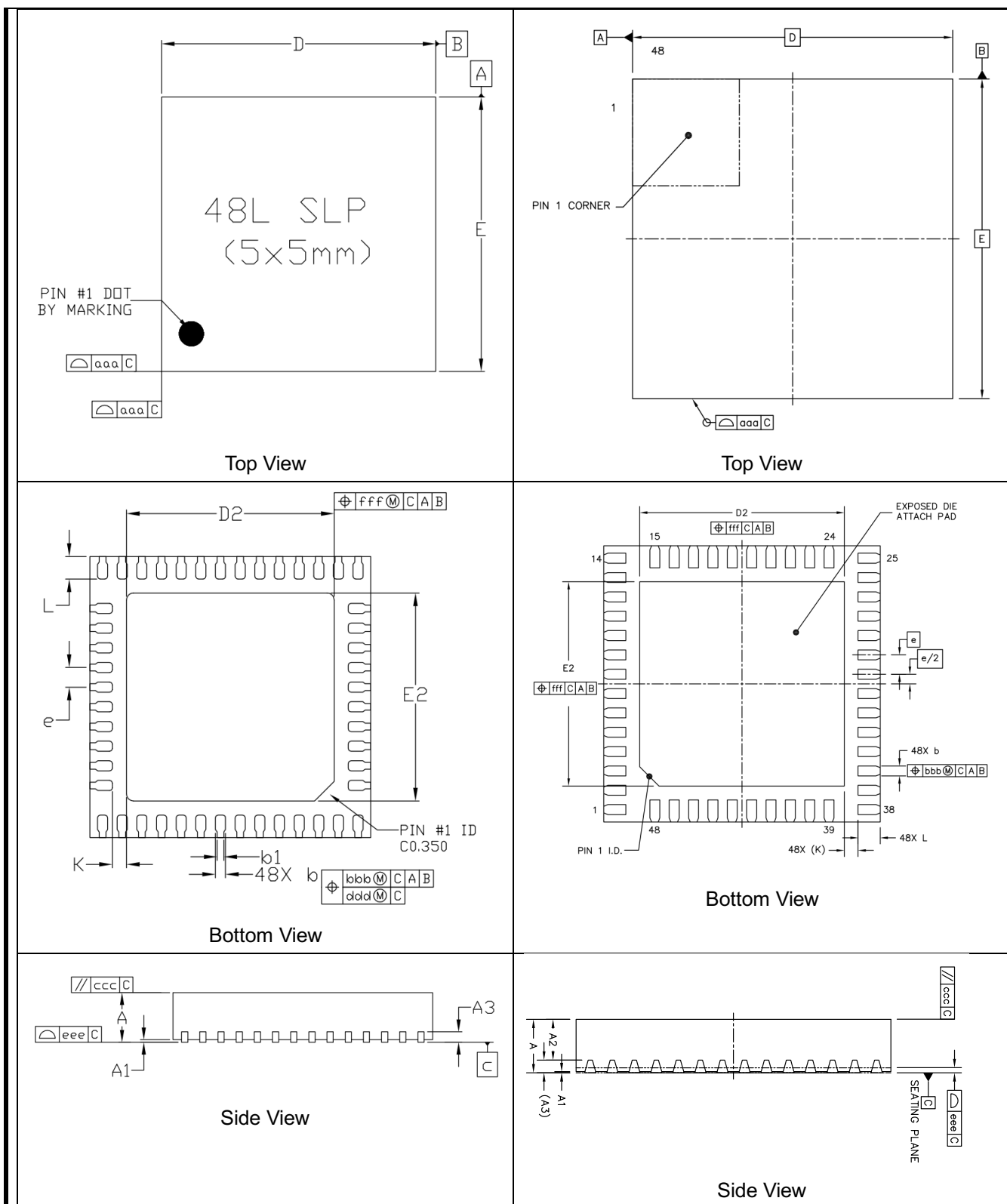


文件编号 Document No.	ESP-00-2-007-03	文件名称 Document Name	产品/工艺变更通知 Product/Process Change Notice
文件版本 Document Version	1.1	保存期限 Retention Period	3 年 3 years

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 & 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>当前状况/Current State: ESP32-D0WD & 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>变更内容/Proposed Change: 增加江苏长电科技股份有限公司 (JCET) 为 ESP32-D0WD & 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 & ESP32-S0WD.</p>			
<u>变更对比/Comparison:</u>			
Package Outline Diagram (POD)			
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	--	--	--	--
Lead length	L	0.350	0.400	0.450	L	0.3	0.4	0.5
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。
For customers using SMT molds that are incompatible with chips produced by the newly added plant, please contact Espressif at 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
<p>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:</p> <p>主要变更/For Major Changes:</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>轻微变更/For Minor Changes:</p> <p>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.</p> <p>请反馈至 pcn@espressif.com。 Please feedback to pcn@espressif.com.</p>

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: <input type="checkbox"/> 批准/Approval <input type="checkbox"/> 不批准/Disapproval <input type="checkbox"/> 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:	