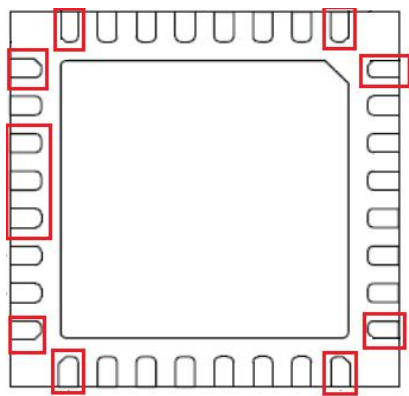
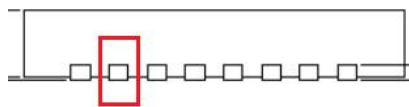


文件编号 Document No.	ESP-00-2-007-03	文件名称 Document Name	产品/工艺变更通知 Product/Process Change Notice (PCN)
文件版本 Document Version	1.1	保存期限 Retention Period	3 年 3 years

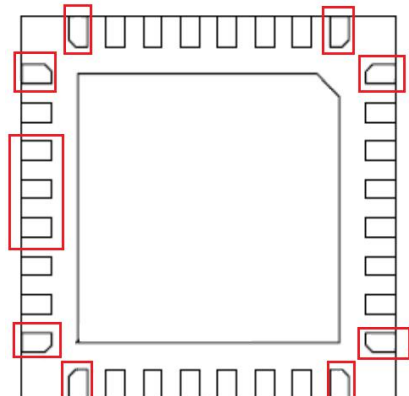
ESP8285 系列芯片增加封测代工厂 Add a new Assembly and Test Manufacturing (ATM) plant for ESP8285 Series of Chips									
PCN 编号 PCN No.	PCN-03-20190917	提出日期 Issue Date of PCN	2019/9/17						
产品名称 Product Name	ESP8285 Series of Chips (See below for details)	变更日期 Proposed Date of Change	2019/10/8						
封装类型/尺寸 Package Type/Size	QFN 5X5	首次出货日期 Proposed Date of First Shipment	2020/1/1						
客户批准/Customer Consent: ☒ 需要批准/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									
<u>变更原因/Objectives for Change:</u> 增加 ESP8285 系列芯片的封测厂, 以提高芯片产能。 In order to diversify the supply chain and increase the production capacity of ESP8285 series of chips.									
<u>影响产品/Affected Products</u> ESP8285 (ESP8285N08, ESP8285H08, and ESP8285H16)									
<u>变更内容/Proposed Change:</u> 增加江苏长电科技股份有限公司 (JCET) 为 ESP8285 系列芯片的封测厂。 Espressif added a new Assembly and Test Manufacturing (ATM) plant, Jiangsu Changdian Elec. Tech. (JCET), to its supply chain to produce ESP8285 series of chips.									
<u>变更对比/Comparison:</u> 产品外形图 Product Outline Diagram Comparison <table border="1"> <thead> <tr> <th colspan="2">引脚形状 Pin Shape</th> </tr> <tr> <th>Unisem Unisem Cheng Du Co., Ltd</th> <th>JCET 江苏长电科技股份有限公司</th> </tr> </thead> <tbody> <tr> <td> 引脚顶为弧形。 The head of the pads are circular. 四个边角对应的 8 个引脚顶形状与其他引脚不同。 The pads located on both sides of each corner of the chip (a total of eight pads) have a different shape, compared with to all other pads. </td> <td> 引脚顶为直线。 The head of the pads are rectangular. 四个边角对应的 8 个引脚顶形状与其他引脚不同。 The pads located on both sides of each corner of the chip (a total of eight pads) have a different shape, compared with to all other pads. </td> </tr> </tbody> </table>				引脚形状 Pin Shape		Unisem Unisem Cheng Du Co., Ltd	JCET 江苏长电科技股份有限公司	引脚顶为弧形。 The head of the pads are circular. 四个边角对应的 8 个引脚顶形状与其他引脚不同。 The pads located on both sides of each corner of the chip (a total of eight pads) have a different shape, compared with to all other pads.	引脚顶为直线。 The head of the pads are rectangular. 四个边角对应的 8 个引脚顶形状与其他引脚不同。 The pads located on both sides of each corner of the chip (a total of eight pads) have a different shape, compared with to all other pads.
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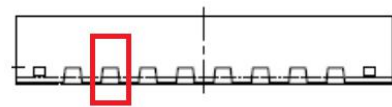
Bottom View



Side View

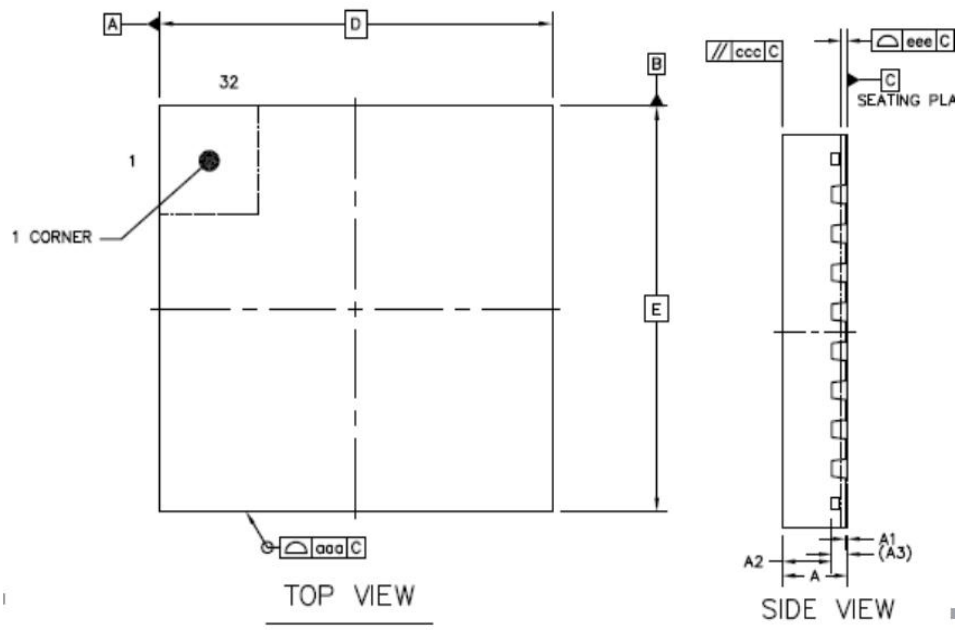


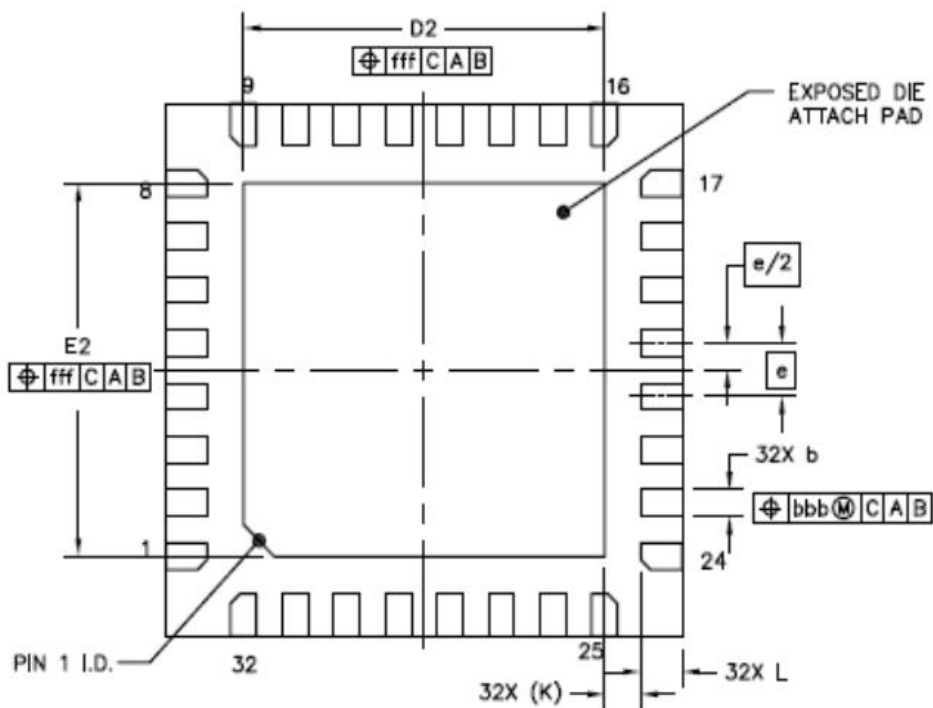
Bottom View



Side View

尺寸 Size





Unit: mm	Unisem Unisem Cheng Du Co., Ltd			JCET 江苏长电科技股份有限公司		
尺寸	MIN	NORM	MAX	MIN	NORM	MAX
A	0.8	0.85	0.9	0.8	0.85	0.9
A1	0	-	0.05	0	-	0.05
A3	0.203REF.			0.203REF.		
D	4.95	5	5.05	4.9	5	5.1
E	4.95	5	5.05	4.9	5	5.1
D2	3.65	3.7	3.75	3.4	3.5	3.6
E2	3.65	3.7	3.75	3.4	3.5	3.6
b	0.2	0.25	0.3	0.2	0.25	0.3
e	0.5BSC			0.5BSC		
L	0.35	0.4	0.45	0.3	0.4	0.5
切角	C0.300×45°			C0.300×45°		

变更影响/Impact of Change:

1. 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.

2. 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.

3. 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/ Change Identification Method:

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，见变更对比描述。

The chips from different Assembly and Test Manufacturing (ATM) plants can be identified by the shape and size of the pins on the chips, as described in "Comparison".

变更前后产品处理/How to Deal with Products:

1. 如客户产线贴片模具可兼容新增封装测试厂生产之芯片，则可同时使用不同封装测试厂生产的产品。
Customers using SMT molds that are compatible with chips produced by the newly added plant can use the chips produced by the original and newly added plant at the same time.
2. 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.

相关报告/Report(s) Attached:

☒ Related ECN No.: ECN-03-20190902

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

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, and confirm receipt of the PCN:

主要变更/For Major Changes:

- a) 客户须在乐鑫发出 PCN 后的 30 天内告知已收到 PCN。
Customers should confirm receipt of the PCN within 30 calendar days from the date Espressif sends it to them.
- 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。

If customers do not confirm receipt of the PCN within 30 calendar days, they will be regarded as having accepted 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 the customers confirm receipt of the PCN, the lack of any additional responses on their part within 90 calendar days constitutes acceptance of the proposed 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。

If customers do not confirm receipt of the PCN within 7 calendar days, they will be regarded as having accepted the proposed changes.

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:

☐ 批准/Approval

PCN 评审结果/PCN Review Result: ☐ 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: