



乐鑫信息科技（上海）有限公司
Espressif Systems (Shanghai) Pte., Ltd.

文件编号 Document No.	ESP-03-2-014-03	文件名称 Document Name	产品/工艺变更通知 Product/Process Change Notice
文件版本 Document Version	00	秘密级别 Security Classification	公开 Public

变更标题/Change Title: ESP8266EX 增加封测厂 / Add Additional Assembly & Test Plants for ESP8266EX

PCN 编号 PCN No.	P20180123-1	提出日期 Issue Date of PCN	2018/01/23
产品名称 Product Name	ESP8266EX	样品日期 Proposed Date of Sample	2018/02/12
封装类型/尺寸 Package Type/Size	QFN/5x5/32PIN	首次出货日期 Proposed Date of First Shipment	2018/02/26

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/Change Classification: ☒ 主要变更/Major ☐ 轻微变更/Minor

变更原因/Reason for Change:

ESP8266EX 市场需求持续增长，为满足市场需求，持续稳定供货，特增加 ESP8266EX 封装测试厂。

In order to meet the growing market demand for ESP8266EX and ensure a stable supply of product, Espressif decides to add two Assembly and Test Manufacturing (ATM) plants.

变更描述/Description of Change:

当前状况/Current State:

ESP8266EX 封测厂为 Unisem Cheng Du Co., Ltd

The current Assembly and Test Manufacturing (ATM) plant used for the production of ESP8266EX is Unisem Chengdu Co.,Ltd.

变更内容/Proposed Change:

增加江苏长电科技股份有限公司（JCET）和华天科技（西安）有限公司（Huatian）为 ESP8266EX 的封测厂。

Espressif decides to add two Assembly and Test Manufacturing (ATM) plants for ESP8266EX: Jiangsu Changdian Elec. Tech. (JCET) and Huatian Technology (Xi'an) Co. Ltd. (Huatian)

变更对比/Comparison:

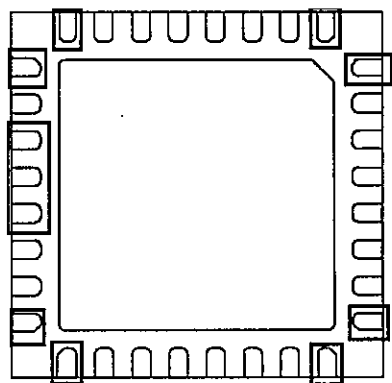
产品外形图（Product Outline Diagram）对比

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	Huatian 华天科技（西安）有限公司
引脚顶为弧形 The head of the pads are circular.	引脚顶为直线 The head of the pads are	引脚顶成弧形 The head of the pads are circular.

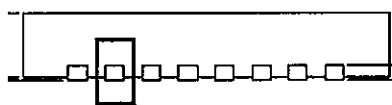


四个边角对应的 8 个引脚顶形状与其他引脚不同。

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.



Bottom View

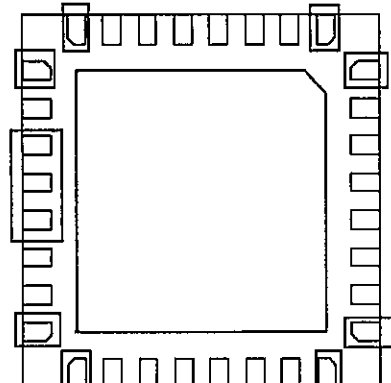


Side View

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.



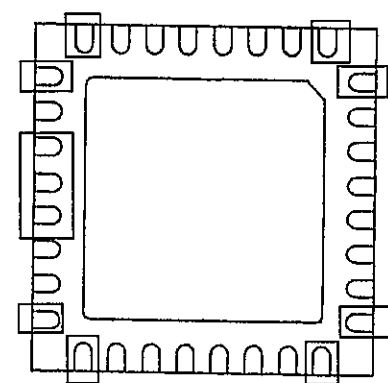
Bottom View



Side View

所有引脚形状相同。

All pads have the same shape.

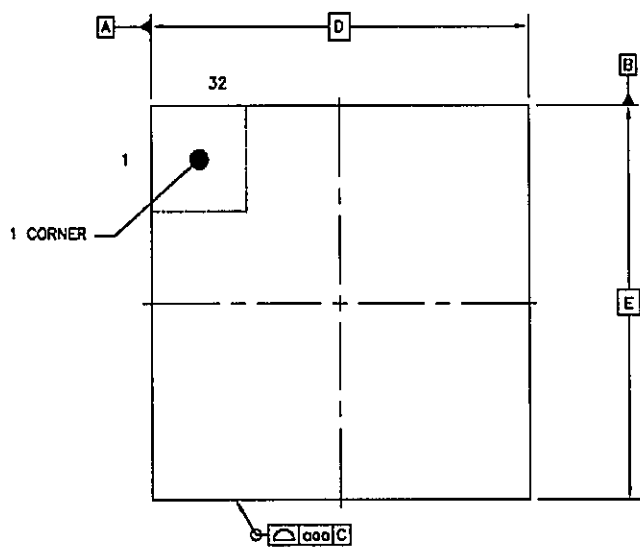


Bottom View

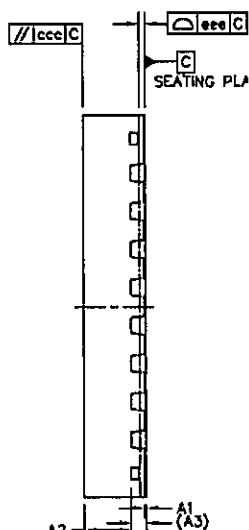


Side View

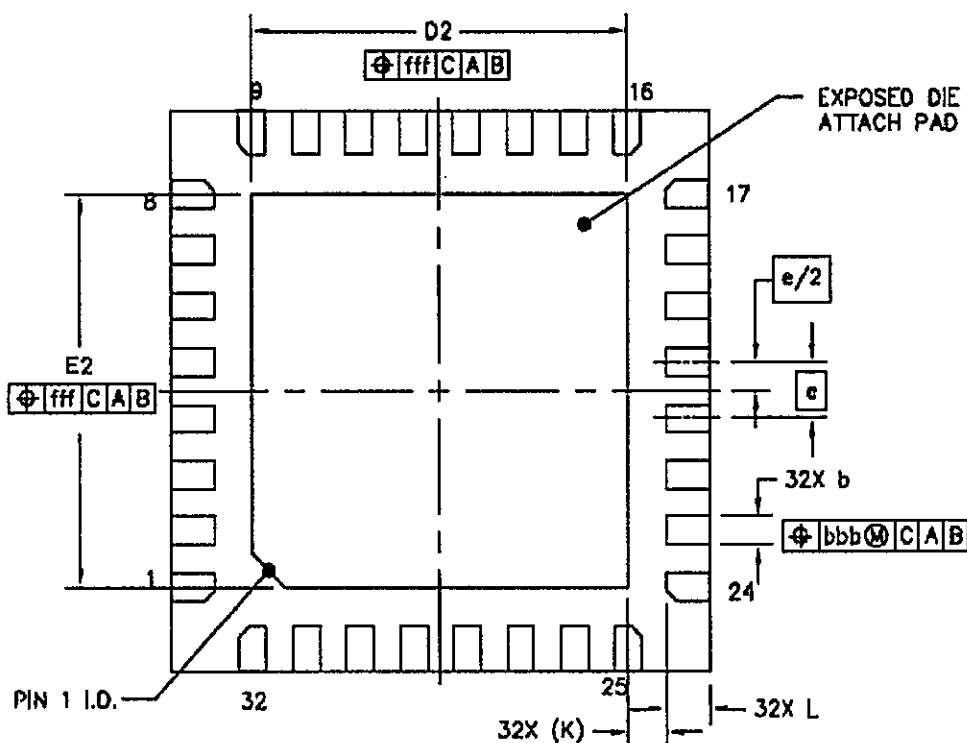
尺寸 Size



TOP VIEW



SIDE VIEW



Unit: mm	Unisem			JCET			Huatian		
	Unisem Cheng Du Co., Ltd			江苏长电科技股份有限公司			华天科技（西安）有限公司		
尺寸	MIN	NORM	MAX	MIN	NORM	MAX	MIN	NORM	MAX
A	0.8	0.85	0.9	0.8	0.85	0.9	0.7	0.75	0.8
A1	0	-	0.05	0	-	0.05	0	0.02	0.05
A3	0.203REF.			0.203REF.			0.18	0.2	0.25
D	4.95	5	5.05	4.9	5	5.1	4.9	5	5.1
E	4.95	5	5.05	4.9	5	5.1	4.9	5	5.1
D2	3.65	3.7	3.75	3.4	3.5	3.6	3.4	3.5	3.6
E2	3.65	3.7	3.75	3.4	3.5	3.6	3.4	3.5	3.6
b	0.2	0.25	0.3	0.2	0.25	0.3	0.18	0.25	0.3
e	0.5BSC			0.5BSC			0.5BSC		
L	0.35	0.4	0.45	0.3	0.4	0.5	0.35	0.4	0.45
切角	C0.300×45°			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厚度及引脚尺寸不同。

The appearance of the product is affected by the change. Chip thickness and pin size are different in products manufactured by 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 the chips from the two newly added plants are not 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 sales@espressif.com
Should the customers' SMT molds be incompatible with the chips manufactured by the two newly added plants, please contact Espressif at sales@espressif.com.

变更识别方式/Method of Identifying Change:

1. 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 from different Assembly and Test Manufacturing (ATM) plants can be identified by the shape and size of the pins on the chips.
2. 包装标签上加贴彩色圆点，带有绿色圆点表示为 JCET 生产之产品，带有黄色圆点表示为 Huatian 生产之产品，该方式执行至 2018 年 4 月 30 日，2018 年 5 月 1 日后生产之芯片，不再加贴该彩色圆点。
Chips with a green dot on the packaging labels are manufactured by JCET. Chips with a yellow dot on the packaging labels are manufactured by Huatian. The method of using colorized dots to distinguish different chips will continue until April 30th, 2018. This method, however, will be not applicable to chips produced after May 1st, 2018.

变更人/Change Owner: 汤上金	签名/Signature: 汤上金	日期/Date: 1/23/2018
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Approved By

批准人

Technical Support	栾春涛	Signature: 栾春涛	Date: 2018.1.23.
	戴玮	Signature: 戴玮	Date: 2018/1.23
R&D Hardware	王栋	Signature: 王栋	Date: 2018/01/23
QA	陶袁	Signature: 陶袁	Date: 1/23/2018
Supply Chain	方玲燕	Signature: 方玲燕	Date: 1/23/2018
Package	刘泳良	Signature: 刘泳良	Date: 2018.1.23
Operations	汤上金	Signature: 汤上金	Date: 1/23/2018
Sales Manager	易雨皓	Signature: 易雨皓	Date: 1/23/2018
Purchasing Manager	吴柏均	Signature: 吴柏均	Date: 1/23/2018
Marketing Manager	王珏	Signature: 王珏	Date: 1/23/2018
CEO	张瑞安	Signature: 张瑞安	Date: 1/23/2018

如果无需相关人员批准，请在相应栏位填写“N/A”。

Input "N/A" in column(s) where approval is not required.

注：以上信息由 Espressif 填写。

Note: The information above shall be filled in by Espressif.



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。
- a) 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。
- b) 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。
- c) 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。
- a) Lack of acknowledgement of the PCN within 7 calendar days constitutes acceptance of the changes.

请反馈至 pcn@espressif.com。

Please feedback to pcn@espressif.com.

注: 以下信息由客户或 Espressif 销售与客户服务部门填写。

Note: The information below shall be filled in by customers or Espressif's sales department.

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 Study 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: