

**TITLE: Assembly & Test Manufacturing Location Change for Multiple PIC Products (Phase II)**
**RELEASE DATE: 2019-05-24**
**OWNER DEPARTMENT: PIC Test-Engineering**
**REVISION HISTORY**

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2019-05-24	Jeffrey Chen	original

## PROCESS CHANGE NOTIFICATION

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**Assembly & Test Manufacturing Location  
Change for Multiple PIC Products (Phase  
II)**

PCN #

CN-00416A

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Dear Valued Customer,

This Product Change Notification (PCN) contains advance information about changes we are planning to make to the products that you have purchased within the last two years.

As part of the business development plan, Alpha & Omega Semiconductor (known as AOS) will move the assembly & test manufacturing location of majority packages from AOS Shanghai factory to AOS Chongqing factory (newly established in Chongqing, China). The equipment, process and materials used in AOS Shanghai have been transferred to AOS Chongqing as well. To ensure the seamless operation, AOS Chongqing team has been working & being trained in AOS Shanghai factory. AOS Shanghai team will lead the daily operation in AOS Chongqing factory for a certain period after equipments relocation is done. Every effort has been made to ensure the form, fit, function, quality and reliability of our products will not be affected with this change.

Please acknowledge receipt of this PCN as well as requests within 30 days by signing in at <http://www.aosmd.com/quality/pcn> or sending the enclosed Acknowledgement Form to your local AOS Sales Representative.

Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.

If you have any questions regarding this change notice, please contact your local AOS Sales Representative.

<http://www.aosmd.com/contact>

Sincerely,

CK OH

Vice President of Quality

Alpha and Omega Semiconductor

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## Process Change Notification

<b>PRODUCT CATEGORY</b>  PIC	<b>PRODUCT(S) AFFECTED</b> Please refer the affected part list at the end of this PCN. * This PCN extends to all new related products that may be released after this PCN.		
<b>TYPE OF CHANGE</b>  Assembly & test manufacturing location change.			
<b>DESCRIPTION OF CHANGE</b>  Move the assembly & test manufacturing location from AOS Shanghai factory to AOS Chongqing factory for multiple products.			
<b>REASON FOR CHANGE</b>  Company business strategy.			
<b>SAMPLE AVAILIBILITY</b> See appendix (To obtain samples or production devices, please contact your AOS Sales Representative).	<b>FIRST SHIP DATE</b> Estimated to be from July 29th, 2019, or earlier upon customer approval.		
<b>METHOD OF IDENTIFICATION</b>  By assembly location code on product marking. For details, please contact your local AOS sales representatives.			
<b>IMPACT OF CHANGE</b> <b>Form:</b> None; <b>Fit:</b> None <b>Function:</b> None <b>Reliability:</b> None <b>Environment:</b> None			
<b>QUALIFICATION / RELIABILITY DATA:</b>  Reliability Qualification for each package :			
<b>Reliability test</b>			
<b>Test Item</b>	<b>Condition</b>	<b>Time Point</b>	<b>Sample Size</b>
HTOL	T=125°C Per JESD 22-A108_B	500hours	77*3
Solder reflow precondition	MSL soak + 3cycle reflow@ 260°C	-	77*9
TC	-65(+0/-10)°C to +150(+15/-0)°C air to air; 30mins/cycle (preferred)	500cycles	77*3

HAST	130(±2)°C, 85(±5)%RH, 33.3psia	96hours	77*3
PCT	121(±2)°C, 29.7psia, RH=100%	96hours	77*3

Note: the qualification is base on generic product family data.

<b>PCN RESPONSE:</b> Please acknowledge receipt of this PCN within 30 days of delivery Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.	<b>AOS CONTACTS:</b> Please contact your local AOS Sales Representative <a href="http://www.aosmd.com/contact/">http://www.aosmd.com/contact/</a>
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QRU-00022-02(d)

## Acknowledgement of Process Change Notification

(Filled by the customer)

### Confirming the Receipt of the PCN

PCN #:

Receiving date (YY/MM/DD):

Receiver:

Department / Title of the receiver:

Signature / Stamp:

### Customer Request

Sample request

Quantity:

Requirement of qualification data:

### Approval of the Change

Approve

Disapprove

Reason of disapproval:

Approver:

Department / Title of the approver:

Signature / stamp:

QRU-00022-02(d)

**Appendix: Affected Product List**

Part number	Estimated sample available date	Estimated completion date of qualification	Remark
AOZ1021AI	Contact Sales for sample schedule	Complete	SO8
AOZ1031AI	Contact Sales for sample schedule	Complete	SO8
AOZ1210AI	Contact Sales for sample schedule	Complete	SO8
AOZ1212AI	Contact Sales for sample schedule	Complete	SO8
AOZ1284PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ1320CI-02	Contact Sales for sample schedule	Complete	SOT23
AOZ1320CI-04	Contact Sales for sample schedule	Complete	SOT23
AOZ1320CI-04_2	Contact Sales for sample schedule	Complete	SOT23
AOZ1320CI-05	Contact Sales for sample schedule	Complete	SOT23
AOZ1320CI-07	Contact Sales for sample schedule	Complete	SOT23
AOZ1360AIL	Contact Sales for sample schedule	Complete	SO8
AOZ3015AI	Contact Sales for sample schedule	Complete	SO8
AOZ3024PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ6604PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ6605PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ6605PI-1	Contact Sales for sample schedule	Complete	SO8_EP
AOZ6606PI	Contact Sales for sample schedule	Complete	SO8_EP