

PROCESS CHANGE NOTIFICATION

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

PCN #

CN-00413A

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

Process Change Notification

PRODUCT CATEGORY PIC	PRODUCT(S) AFFECTED 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.		
TYPE OF CHANGE Assembly & test manufacturing location change.			
DESCRIPTION OF CHANGE Move the assembly & test manufacturing location from AOS Shanghai factory to AOS Chongqing factory for multiple products.			
REASON FOR CHANGE Company business strategy.			
SAMPLE AVAILIBILITY See appendix (To obtain samples or production devices, please contact your AOS Sales Representative).	FIRST SHIP DATE Estimated to be from Feb. 28th, 2019, or earlier upon customer approval.		
METHOD OF IDENTIFICATION By assembly location code on product marking. For details, please contact your local AOS sales representatives.			
IMPACT OF CHANGE Form: None; Fit: None Function: None Reliability: None Environment: None			
QUALIFICATION / RELIABILITY DATA: Reliability Qualification for each package :			
Reliability test			
Test Item	Condition	Time Point	Sample Size
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.

PCN RESPONSE: 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.	AOS CONTACTS: Please contact your local AOS Sales Representative http://www.aosmd.com/contact/
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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
AOZ1280CI	Contact Sales for sample schedule	Complete	SOT23
AOZ1280CI_2	Contact Sales for sample schedule	Complete	SOT23
AOZ1282CI	Contact Sales for sample schedule	Complete	SOT23
AOZ1282CI-1	Contact Sales for sample schedule	Complete	SOT23
AOZ1282CI-2	Contact Sales for sample schedule	Complete	SOT23
AOZ1282CI_3	Contact Sales for sample schedule	Complete	SOT23
AOZ1282CI_5	Contact Sales for sample schedule	Complete	SOT23
AOZ1283PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ2002PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ2002PI_2	Contact Sales for sample schedule	Complete	SO8_EP
AOZ2022PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ2023PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3011PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3011PI_2	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3013PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3013PI_2	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3015PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3015PI-1	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3015PI-1_2	Contact Sales for sample schedule	Complete	SO8_EP

AOZ3015PI_2	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3015PI_3	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3017PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3017PI_2	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3017PI_3	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3018PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3018PI_5	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3045PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3046PI	Contact Sales for sample schedule	Complete	SO8_EP
AOZ3047PI	Contact Sales for sample schedule	Complete	SO8_EP