

**TITLE: Product/Process Change Notice - Additional Assembly & Test Facility for Multiple Products with QFN5X5 Package**
**RELEASE DATE: 2022-03-19**
**OWNER DEPARTMENT: Power IC - CHN**
**REVISION HISTORY**

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2022-03-19	Sihui Li	original

## PROCESS CHANGE NOTIFICATION

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**Additional Assembly & Test Facility for Multiple  
Products with QFN5X5 Package**

PCN #

CN-00456A

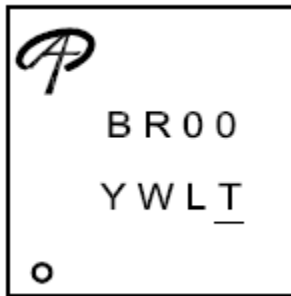
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Dear Valued Customer,

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

To avoid supply shortage and better delivery, AOS plans to release QFN5x5 package DrMOS products in Carsen Semiconductor (Suzhou) Co. Ltd. (SZC), SZC has been one of manufacturing sites for AOS since 2005. The form, fit, function, quality and reliability of our products will not be affected in any way with this change

The marking code for products assembled in SZC will have an underline marking under the assembly lot ID. The picture below illustrates the example of this marking.



Please acknowledge receipt of this PCN 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

Senior 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>  AOZ5016QI, AOZ5017QI, AOZ5516QI, AOZ5311NQI, AOZ5517QI  * This PCN extends to all new related products that may be released after this PCN.				
<b>TYPE OF CHANGE</b>  Additional Assembly and Test Site					
<b>DESCRIPTION OF CHANGE</b>  To release in subcontractors as below. For details, please contact your local AOS sales representatives.					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Part ID</th> <th>Subcontractor</th> </tr> </thead> <tbody> <tr> <td>AOZ5016QI, AOZ5017QI, AOZ5516QI, AOZ5311NQI, AOZ5517QI</td> <td style="text-align: center;">Carsem(a)</td> </tr> </tbody> </table>		Part ID	Subcontractor	AOZ5016QI, AOZ5017QI, AOZ5516QI, AOZ5311NQI, AOZ5517QI	Carsem(a)
Part ID	Subcontractor				
AOZ5016QI, AOZ5017QI, AOZ5516QI, AOZ5311NQI, AOZ5517QI	Carsem(a)				
Note: (a): Carsem Semiconductor (Suzhou) Co. Ltd.					
<b>REASON FOR CHANGE</b>  To increase manufacturing capacity.					
<b>SAMPLE AVAILABILITY</b> See appendix (To obtain samples or production devices, please contact your AOS Sales Representative).	<b>FIRST SHIP DATE</b>  Estimated to be from April. 29th, 2022, 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:

Reliability test			
Test Item	Condition	Time Point	Sample Size
HTOL	T=125°C Per JESD 22-A108_B	1000 hours	77*3
HTS	T=150°C	1000 hours	77*3
TC	-65(+0/-10)°C to +150(+15/-0)°C air to air; 30mins/cycle (preferred)	500 cycles	77*3
HAST	130(±2)°C, 85(±5)%RH, 33.3psia, Vcc max	96hours	77*3
PCT	121(±2)°C, 29.7psia, RH=100%	96hours	77*3

**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/>

## 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(e)

**Appendix: Affected Product List**

<b>Part number</b>	<b>Estimated sample available date</b>	<b>Estimated completion date of qualification</b>	<b>Remark</b>
AOZ5016QI	Contact Sales for sample schedule	4/29/2022	
AOZ5017QI	Contact Sales for sample schedule	4/29/2022	
AOZ5311NQI	Contact Sales for sample schedule	4/29/2022	
AOZ5516QI	Contact Sales for sample schedule	4/29/2022	
AOZ5517QI	Contact Sales for sample schedule	4/29/2022	