

**TITLE: Product/Process Change Notice -Product/Process Change Notice - Add CQAOS as an additional wafer supplier for certain MOSFET products (Phase V)**

**RELEASE DATE: 2020-01-22**

**OWNER DEPARTMENT: Product Engineering**

**REVISION HISTORY**

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2020-01-22	Weiwei Liu	original

## PROCESS CHANGE NOTIFICATION

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**Add CQAOS as an additional wafer supplier for  
certain MOSFET products (Phase V)**

PCN #

CN-00426A

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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.

We are going to add CQAOS (newly established in Chongqing, China) as the wafer manufacturing location of certain MOSFET products. Every effort has been made to match the electrical parameters and to maintain the existing data sheet limits. Benchmark reports comparing the new and existing products are available. The involved products are listed in the appendix.

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

Vice President of Quality

Alpha and Omega Semiconductor

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## Process Change Notification

<b>PRODUCT CATEGORY</b>  MOSFET	<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>  Additional wafer manufacturing location																
<b>DESCRIPTION OF CHANGE</b>  Add CQAOS as one of the wafer manufacturing location of MOSFET products listed in appendix.																
<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 Mar, 23 <sup>th</sup> , 2020, or earlier upon customer approval.															
<b>METHOD OF IDENTIFICATION</b>  Fab location code "N" will be printed in the packing labels and product marking (except products with multi chips). 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>  a) Reliability Qualification test																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Reliability test plan</th> </tr> <tr> <th colspan="2">Test Item</th> <th>Test Condition</th> <th>Sample Size</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">Reliability Test</td> <td style="text-align: center;">HTGB</td> <td style="text-align: center;">1000hrs T=150 °C, Vgs=100% Vgsmax</td> <td style="text-align: center;">77x3</td> </tr> <tr> <td style="text-align: center;">HTRB</td> <td style="text-align: center;">1000hrs T=150 °C, Vds=100% Vdsmax</td> <td style="text-align: center;">77x3</td> </tr> </tbody> </table>		Reliability test plan				Test Item		Test Condition	Sample Size	Reliability Test	HTGB	1000hrs T=150 °C, Vgs=100% Vgsmax	77x3	HTRB	1000hrs T=150 °C, Vds=100% Vdsmax	77x3
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b) Parametric benchmark report  Please contact your local AOS Sales Representative if you require the qualification 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>															

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**

<b>Part number</b>	<b>Estimated sample available date</b>	<b>Estimated completion date of qualification</b>	<b>Remark</b>
AON6104	Contact Sales	Complete	
AON6104FD	Contact Sales	Complete	
AON6104FH	Contact Sales	Complete	
AON6354	Contact Sales	Complete	
AON6354L	Contact Sales	Complete	
AON6354_001	Contact Sales	Complete	
AON6354_002	Contact Sales	Complete	
AON6384	Contact Sales	Complete	
AOND32324	Contact Sales	Complete	
AONR21307	Contact Sales	Complete	
AONR21307S	Contact Sales	Complete	
AONR21307_201	Contact Sales	Complete	
AONS21307	Contact Sales	Complete	
AONS32302	Contact Sales	Complete	
AONS32311	Contact Sales	Complete	
AONS32374	Contact Sales	Complete	
AONS36356	Contact Sales	Complete	
AONS36356_001	Contact Sales	Complete	
AOSD21307	Contact Sales	Complete	
AOSP21307	Contact Sales	Complete	
AOSP21307_201	Contact Sales	Complete	