

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

RELEASE DATE: 2021-07-28

OWNER DEPARTMENT: Product & Test

REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2021-07-28	Yi Liu	original

PROCESS CHANGE NOTIFICATION

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

PCN #

CN-00452A

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 have added Chongqing Alpha and Omega Semiconductor Limited (known as CQAOS) as the wafer manufacturing location of certain MOSFET products. Now we are going to release more wafer types in CQAOS and the involved products are listed in the appendix. Every effort has been made to match the electrical parameters and to maintain the existing data sheet limits. However, there may be minor deviations in product performance. Benchmark reports comparing the new and existing products are available.

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, Quality

Alpha and Omega Semiconductor

Process Change Notification

PRODUCT CATEGORY MOSFET	PRODUCT(S) AFFECTED Please refer the affected part list at the end of this PCN. * This PCN extends to all related products that may be released after this PCN.															
TYPE OF CHANGE Additional wafer manufacturing location																
DESCRIPTION OF CHANGE Add CQAOS as the new wafer manufacturing location of MOSFET products listed in appendix.																
REASON FOR CHANGE To increase manufacturing capacity.																
SAMPLE AVAILABILITY See appendix (To obtain samples or production devices, please contact your AOS Sales Representative).	FIRST SHIP DATE Estimated to be from Oct, 22 th , 2021, or earlier upon customer approval.															
METHOD OF IDENTIFICATION 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.																
IMPACT OF CHANGE Form: None Fit: None Function: Minor deviations for certain products Reliability: None Environment: None																
QUALIFICATION / RELIABILITY DATA: 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																
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/															

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
AO4262E	Contact Sales	Complete	
AO4262E_201	Contact Sales	Complete	
AO4266E	Contact Sales	Complete	
AO4606	Contact Sales	Complete	
AO4606_201	Contact Sales	Complete	
AO4629	Contact Sales	Complete	
AO4629L	Contact Sales	Complete	
AO4629_201	Contact Sales	Complete	
AO4629_DELTA	Contact Sales	Complete	
AO4812	Contact Sales	Complete	
AO4812_NK	Contact Sales	Complete	
AO6424	Contact Sales	Complete	
AO6424A	Contact Sales	Complete	
AO6424_101	Contact Sales	Complete	
AON6262E	Contact Sales	Complete	
AON6262E_201	Contact Sales	Complete	
AON6262E_202	Contact Sales	Complete	
AON6266E	Contact Sales	Complete	
AON6266E_201	Contact Sales	Complete	
AON7246E	Contact Sales	Complete	
AON7246E_201	Contact Sales	Complete	
AON7262E	Contact Sales	Complete	
AON7262EA	Contact Sales	Complete	
AONR62670E	Contact Sales	Complete	
AONR62690E	Contact Sales	Complete	
AONS32306	Contact Sales	Complete	
AONS32306S	Contact Sales	Complete	
AONS32306_201	Contact Sales	Complete	
AOSD62666E	Contact Sales	Complete	