

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

RELEASE DATE: 2020-07-29

OWNER DEPARTMENT: Product & Test

REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2020-07-29	Yuye Cao	original

PROCESS CHANGE NOTIFICATION

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

PCN #

CN-00434A

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 Chongqing Alpha and Omega Semiconductor Limited (known as CQAOS) as the new 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. However, there may be minor deviations in product performance. 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

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, 28 th , 2020, 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; margin-top: 10px;"> <thead> <tr> <th colspan="4" style="text-align: center;">Reliability test plan</th> </tr> <tr> <th colspan="2" style="text-align: center;">Test Item</th> <th style="text-align: center;">Test Condition</th> <th style="text-align: center;">Sample Size</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center; vertical-align: middle;">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> b) Parametric benchmark report Please contact your local AOS Sales Representative if you require the qualification data		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
Reliability test plan																
Test Item		Test Condition	Sample Size													
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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
AO3401	Contact Sales	Complete	
AO3401A	Contact Sales	Complete	
AO3401A_101	Contact Sales	Complete	
AO3401A_102	Contact Sales	Complete	
AO3401A_DELTA	Contact Sales	Complete	
AO3401_101	Contact Sales	Complete	
AO3406	Contact Sales	Complete	
AO3406G	Contact Sales	Complete	
AO3406G_DELTA	Contact Sales	Complete	
AO3406L_DELTA	Contact Sales	Complete	
AO3406_101	Contact Sales	Complete	
AO3406_106	Contact Sales	Complete	
AO3406_DELTA	Contact Sales	Complete	
AO3407	Contact Sales	Complete	
AO3407A	Contact Sales	Complete	
AO3407AG	Contact Sales	Complete	
AO3407AG_DELTA	Contact Sales	Complete	
AO3407AL	Contact Sales	Complete	
AO3407AL_103	Contact Sales	Complete	
AO3407A_102	Contact Sales	Complete	
AO3407A_103	Contact Sales	Complete	
AO3407A_DELTA	Contact Sales	Complete	
AO3407B	Contact Sales	Complete	
AO3407B_101	Contact Sales	Complete	
AO3407_DELTA	Contact Sales	Complete	
AO3451	Contact Sales	Complete	
AO3456	Contact Sales	Complete	
AO3457	Contact Sales	Complete	
AO3481	Contact Sales	Complete	
AO3487	Contact Sales	Complete	

AO4402G	Contact Sales	Complete	
AO4403	Contact Sales	Complete	
AO4405	Contact Sales	Complete	
AO4405_101	Contact Sales	Complete	
AO4459	Contact Sales	Complete	
AO4459_101	Contact Sales	Complete	
AO4476A	Contact Sales	Complete	
AO4476AL_101	Contact Sales	Complete	
AO4600C	Contact Sales	Complete	
AO4627	Contact Sales	Complete	
AO4627_101	Contact Sales	Complete	
AO4627_201	Contact Sales	Complete	
AO4629	Contact Sales	Complete	
AO4629L	Contact Sales	Complete	
AO4629L_DELTA	Contact Sales	Complete	
AO4629_201	Contact Sales	Complete	
AO4629_DELTA	Contact Sales	Complete	
AO4630	Contact Sales	Complete	
AO4801	Contact Sales	Complete	
AO4801A	Contact Sales	Complete	
AO4801AS_101	Contact Sales	Complete	
AO4801AS_201	Contact Sales	Complete	
AO4803	Contact Sales	Complete	
AO4803A	Contact Sales	Complete	
AO4862	Contact Sales	Complete	
AO4862_201	Contact Sales	Complete	
AO4862_202	Contact Sales	Complete	
AO6085N03	Contact Sales	Complete	
AO6401	Contact Sales	Complete	
AO6401A	Contact Sales	Complete	
AO6405	Contact Sales	Complete	
AO6405_103	Contact Sales	Complete	
AO6602	Contact Sales	Complete	
AO6602G	Contact Sales	Complete	
AO6602G_DELTA	Contact Sales	Complete	

AO6602L	Contact Sales	Complete	
AO6602L_DELTA	Contact Sales	Complete	
AO6802	Contact Sales	Complete	
AO6802G	Contact Sales	Complete	
AO6802G_DELTA	Contact Sales	Complete	
AO6802_DELTA	Contact Sales	Complete	
AOD418	Contact Sales	Complete	
AOD424G	Contact Sales	Complete	
AOL1404G	Contact Sales	Complete	
AON3611	Contact Sales	Complete	
AON3611G	Contact Sales	Complete	
AON3611G_DELT A	Contact Sales	Complete	
AON3611_101	Contact Sales	Complete	
AON3611_DELTA	Contact Sales	Complete	
AON6414A	Contact Sales	Complete	
AON6414AL	Contact Sales	Complete	
AON6424A	Contact Sales	Complete	
AON6586	Contact Sales	Complete	
AON6596	Contact Sales	Complete	
AON6926	Contact Sales	Complete	
AON7400A	Contact Sales	Complete	
AON7400AL	Contact Sales	Complete	
AON7400AL_103	Contact Sales	Complete	
AON7404G	Contact Sales	Complete	
AON7466	Contact Sales	Complete	
AON7611	Contact Sales	Complete	
AON7611G	Contact Sales	Complete	
AONR36316	Contact Sales	Complete	
AONS36314	Contact Sales	Complete	
AONS36316	Contact Sales	Complete	
AONS36323	Contact Sales	Complete	
AONY36322	Contact Sales	Complete	
AONY36324	Contact Sales	Complete	
AONY36326	Contact Sales	Complete	

AONY36352	Contact Sales	Complete	
AONY36352FD	Contact Sales	Complete	
AONY36352FH	Contact Sales	Complete	
AONY36354	Contact Sales	Complete	
AONY36354FD	Contact Sales	Complete	
AONY36354FH	Contact Sales	Complete	
AONY36354FW	Contact Sales	Complete	
AONY36356	Contact Sales	Complete	
AONY36374	Contact Sales	Complete	
AOSS32389	Contact Sales	Complete	