

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

RELEASE DATE: 2019-07-10

OWNER DEPARTMENT: Product & Test

REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2019-07-10	Weiwei Liu	original

PROCESS CHANGE NOTIFICATION

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

PCN #

CN-00418A

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

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 new related products that may be released after this PCN.															
TYPE OF CHANGE Additional wafer manufacturing location																
DESCRIPTION OF CHANGE Add CQAOS as one of the 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 Sep, 30th, 2019, or earlier upon customer approval.															
METHOD OF IDENTIFICATION Fab location code "N" will be printed in the packing labels and 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: 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
AOD21357	Contact Sales	Complete	
AOI21357	Contact Sales	Complete	
AON6500	Contact Sales	Complete	
AON6500_001	Contact Sales	Complete	
AON6500_002	Contact Sales	Complete	
AON6500_003	Contact Sales	Complete	
AON6502	Contact Sales	Complete	
AON6512	Contact Sales	Complete	
AON6512_001	Contact Sales	Complete	
AON6512_002	Contact Sales	Complete	
AON6522	Contact Sales	Complete	
AON6522_001	Contact Sales	Complete	
AON6522_002	Contact Sales	Complete	
AON6946	Contact Sales	Complete	
AON7934	Contact Sales	Complete	
AON7934_101	Contact Sales	Complete	
AON7934_102	Contact Sales	Complete	
AON7934_201	Contact Sales	Complete	
AONH36334	Contact Sales	Complete	
AONH36334_201	Contact Sales	Complete	
AONR21357	Contact Sales	Complete	
AONR21357S	Contact Sales	Complete	
AONR21357_201	Contact Sales	Complete	
AONR21377	Contact Sales	Complete	
AONR21377_201	Contact Sales	Complete	
AONS21357	Contact Sales	Complete	
AONS21357S	Contact Sales	Complete	
AONS21357_201	Contact Sales	Complete	
AOSP21357	Contact Sales	Complete	
AOSP21357_201	Contact Sales	Complete	