

PROCESS CHANGE NOTIFICATION

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

PCN #

CN-00415A

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, 10 th , 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
AO4566	Contact Sales	Complete	
AO4576	Contact Sales	Complete	
AO6025M03	Contact Sales	Complete	
AO6029M03	Contact Sales	Complete	
AO6070N03	Contact Sales	Complete	
AOB190A60L	Contact Sales	Complete	
AOB380A60L	Contact Sales	Complete	
AOD1R4A70	Contact Sales	Complete	
AOD380A60	Contact Sales	Complete	
AOD950A70	Contact Sales	Complete	
AOI1R4A70	Contact Sales	Complete	
AOI950A70	Contact Sales	Complete	
AON6108	Contact Sales	Complete	
AON6108FD	Contact Sales	Complete	
AON6108FH	Contact Sales	Complete	
AON6338FD	Contact Sales	Complete	
AON6338FH	Contact Sales	Complete	
AON6514_101	Contact Sales	Complete	
AON6514_102	Contact Sales	Complete	
AON6528	Contact Sales	Complete	
AON6552	Contact Sales	Complete	
AON6594	Contact Sales	Complete	
AON6594D	Contact Sales	Complete	
AON6932A	Contact Sales	Complete	
AON6934A	Contact Sales	Complete	
AON7506	Contact Sales	Complete	
AON7514_102	Contact Sales	Complete	
AON7534	Contact Sales	Complete	
AON7534_101	Contact Sales	Complete	
AON7534_102	Contact Sales	Complete	
AON7534_103	Contact Sales	Complete	

AON7534_104	Contact Sales	Complete	
AON7534_105	Contact Sales	Complete	
AON7534_106	Contact Sales	Complete	
AON7544	Contact Sales	Complete	
AON7546	Contact Sales	Complete	
AON7810	Contact Sales	Complete	
AOND20334	Contact Sales	Complete	
AONS20318	Contact Sales	Complete	
AOT190A60L	Contact Sales	Complete	
AOT380A60L	Contact Sales	Complete	
AOTF190A60BL	Contact Sales	Complete	
AOTF190A60L	Contact Sales	Complete	
AOTF190A60L_00 1	Contact Sales	Complete	
AOTF190A60L_00 2	Contact Sales	Complete	
AOTF380A60L	Contact Sales	Complete	
AOTF600A60L	Contact Sales	Complete	
AOWF190A60	Contact Sales	Complete	