

PROCESS CHANGE NOTIFICATION

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

PCN #

CN-00423A

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 Jan, 18 th , 2020, 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
AON6366E	Contact Sales	Complete	
AON6380	Contact Sales	Complete	
AON6414G	Contact Sales	Complete	
AON7380	Contact Sales	Complete	
AON7380FD	Contact Sales	Complete	
AON7380_201	Contact Sales	Complete	
AON7380_202	Contact Sales	Complete	
AON7380_203	Contact Sales	Complete	
AON7566	Contact Sales	Complete	
AONR21117	Contact Sales	Complete	
AONR21321	Contact Sales	Complete	
AONR21321S	Contact Sales	Complete	
AONR21321_201	Contact Sales	Complete	
AONR32314	Contact Sales	Complete	
AONR32394E	Contact Sales	Complete	
AONR34378	Contact Sales	Complete	
AONS21321	Contact Sales	Complete	
AONS32314	Contact Sales	Complete	
AONS32314S	Contact Sales	Complete	
AONS36358	Contact Sales	Complete	
AONS36380	Contact Sales	Complete	
AONS36380R	Contact Sales	Complete	
AONS36390	Contact Sales	Complete	
AOSP21321	Contact Sales	Complete	
AOSP21321S	Contact Sales	Complete	
AOSP21321_DELT A	Contact Sales	Complete	
AOSP32314	Contact Sales	Complete	
AOSP32314S	Contact Sales	Complete	