

PROCESS CHANGE NOTIFICATION

Add Jireh Semiconductor Incorporated as an additional wafer supplier for certain MOSFET products (Phase III)

PCN #

CN-00314A

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 Jireh Semiconductor Incorporated (wholly-owned subsidiary of AOS, 3131 NE Brookwood Parkway, Hillsboro, OR 97124), as the wafer manufacturing location of certain MOSFET products. The involved part numbers are listed in the appendix. There is no change in die sizes or datasheet specifications.

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,

EC Wong
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.											
TYPE OF CHANGE Wafer manufacturing location change												
DESCRIPTION OF CHANGE Add Jireh Semiconductor Incorporated (also known as Jfab) as one of the wafer manufacturing location of MOSFET products listed in appendix.												
REASON FOR CHANGE To increase the 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 20 th , 2014, or earlier upon customer approval.											
METHOD OF IDENTIFICATION Fab location code "G" will be printed in the packing labels and product marking (except small packages' product). 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: The qualification is on-going. The target completion date of the qualification is listed in appendix. The qualification test consists of following a) Reliability Qualification Plan												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Reliability test plan</th> </tr> <tr> <th style="width: 25%;">Test Item</th> <th style="width: 50%;">Test Condition</th> <th style="width: 25%;">Sample Size</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">Reliability Test</td> <td style="text-align: center;">HTGB 1000hrs T=150°C, Vgs=100% Vgsmax</td> <td style="text-align: center;">77x3</td> </tr> <tr> <td style="text-align: center;">HTRB 1000hrs T=150°C, Vds=80% 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=80% Vdsmax	77x3
Reliability test plan												
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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(c)

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:

Appendix: Affected Product List

Part number	Estimated sample available date	Estimated completion date of qualification	Remark
AO3415	Available	Completed	
AO3415L	Available	Completed	
AO3415L_106	Available	Completed	
AO3415_106	Available	Completed	
AO3416	2013/11/5	2013/11/26	
AO3416L	2013/11/5	2013/11/26	
AO4304	Available	Completed	
AO4413	3 weeks per request	Completed	
AO4413L	3 weeks per request	Completed	
AO4468	Available	Completed	
AO4468L	Available	Completed	
AO4485	3 weeks per request	Completed	
AO4485L	3 weeks per request	Completed	
AO4948	Available	Completed	
AO4948L	Available	Completed	
AO6409	Available	Completed	
AO6409A	Available	Completed	
AO6409L	Available	Completed	
AOD403L	3 weeks per request	Completed	
AOD4185	3 weeks per request	Completed	
AOD4185L	3 weeks per request	Completed	
AOI4185	3 weeks per request	Completed	
AON7406	Available	Completed	
AON7406L	Available	Completed	
AON7407	Available	Completed	
AON7421	3 weeks per request	Completed	
AOTF4185	3 weeks per request	Completed	