

TITLE: Product/Process Change Notice - Add Jireh Semiconductor Incorporated as an additional wafer supplier for certain MOSFET products
RELEASE DATE: 2016-10-18
OWNER DEPARTMENT: Product & Test
REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2016-10-18	Weiwei Liu	original

PROCESS CHANGE NOTIFICATION

Add Jireh Semiconductor Incorporated as an additional wafer supplier for certain MOSFET products

PCN #

CN-00360A

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. The form, fit, function, quality and reliability of our products will not be affected in any way with this change.

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 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 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, 12 th , 2017, or earlier upon customer approval.											
METHOD OF IDENTIFICATION Fab location code "G" will be printed in the packing labels and product marking (except products in small package). 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: 20%;">Test Item</th> <th style="width: 50%;">Test Condition</th> <th style="width: 30%;">Sample Size</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">Reliability Test</td> <td style="text-align: center;">HTGB T=150°C, Vgs=100% Vgsmax</td> <td style="text-align: center;">1000hrs 77x3</td> </tr> <tr> <td style="text-align: center;">HTRB T=150°C, Vds=100% Vdsmax</td> <td style="text-align: center;">1000hrs 77x3</td> </tr> </tbody> </table>		Reliability test plan			Test Item	Test Condition	Sample Size	Reliability Test	HTGB T=150°C, Vgs=100% Vgsmax	1000hrs 77x3	HTRB T=150°C, Vds=100% Vdsmax	1000hrs 77x3
Reliability test plan												
Test Item	Test Condition	Sample Size										
Reliability Test	HTGB T=150°C, Vgs=100% Vgsmax	1000hrs 77x3										
	HTRB T=150°C, Vds=100% Vdsmax	1000hrs 77x3										
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
AO3406	6 weeks per request	Complete	
AO3406L	6 weeks per request	Complete	
AO3406L_104	6 weeks per request	Complete	
AO3406L_106	6 weeks per request	Complete	
AO3406L_DELTA	6 weeks per request	Complete	
AO3406_101	6 weeks per request	Complete	
AO3406_104	6 weeks per request	Complete	
AO3406_106	6 weeks per request	Complete	
AO3434A	6 weeks per request	2016/11/20	
AO3434A_101	6 weeks per request	2016/11/20	
AO3434A_102	6 weeks per request	2016/11/20	
AO3434LS	6 weeks per request	2016/11/20	
AO3434TS	6 weeks per request	2016/11/20	
AO3456	6 weeks per request	Complete	
AO4447A	6 weeks per request	2016/11/6	
AO4447AL	6 weeks per request	2016/11/6	
AO4447AL_101	6 weeks per request	2016/11/6	
AO4447AL_DELTA A	6 weeks per request	2016/11/6	
AO4447A_102	6 weeks per request	2016/11/6	
AO4447A_103	6 weeks per request	2016/11/6	
AO4447A_104	6 weeks per request	2016/11/6	
AO4627	6 weeks per request	Complete	
AO4627_101	6 weeks per request	Complete	
AO4862	6 weeks per request	Complete	
AO6602	6 weeks per request	Complete	
AO6602L	6 weeks per request	Complete	
AO6602L_DELTA	6 weeks per request	Complete	
AO6802	6 weeks per request	Complete	
AO6802L	6 weeks per request	Complete	
AO6802_DELTA	6 weeks per request	Complete	
AON1634	6 weeks per request	2016/11/20	

AON2802	6 weeks per request	2016/11/20	
AON2802_101	6 weeks per request	2016/11/20	
AON3611	6 weeks per request	Complete	
AON3611_101	6 weeks per request	Complete	
AON3611_DELTA	6 weeks per request	Complete	
AON3613	6 weeks per request	2016/11/20	
AON4605	6 weeks per request	Complete	
AON4605_002	6 weeks per request	Complete	
AON6260	6 weeks per request	2016/11/4	
AON6260_001	6 weeks per request	2016/11/4	
AON6260_002	6 weeks per request	2016/11/4	
AON6405	6 weeks per request	2016/11/6	
AON6405L	6 weeks per request	2016/11/6	
AON6407	6 weeks per request	2016/11/25	
AON6407_001	6 weeks per request	2016/11/25	
AON6411	6 weeks per request	2016/11/20	
AON6413	6 weeks per request	2016/12/15	
AON7405	6 weeks per request	2016/11/30	
AON7405_001	6 weeks per request	2016/11/30	
AON7409	6 weeks per request	2016/12/15	
AON7409_101	6 weeks per request	2016/12/15	
AON7423	6 weeks per request	2016/10/10	
AON7423_001	6 weeks per request	2016/10/10	
AON7611	6 weeks per request	Complete	