

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

RELEASE DATE: 2013-08-20

OWNER DEPARTMENT: Product & Test

REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2013-08-20	Weiwei Liu	original

PROCESS CHANGE NOTIFICATION

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

PCN #

CN-00313A

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. (Changes also apply to all IMC codes)											
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 Nov 20 th , 2013, or earlier upon customer approval.											
METHOD OF IDENTIFICATION Fab location code "G" will be printed in both the product marking and the packing labels. 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												
Reliability test plan												
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%;">Test Item</th> <th style="width: 40%;">Test Condition</th> <th style="width: 20%;">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=80%Vdsmax</td> <td style="text-align: center;">77x3</td> </tr> </tbody> </table>			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
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Reliability Test	HTGB	1000hrs T=150°C, Vgs=100%Vgsmax	77x3									
	HTRB	1000hrs T=150°C, Vds=80%Vdsmax	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/											

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(c)

Appendix: Affected Product List

Part number	Estimated sample available date	Estimated completion date of qualification	Remark
AO3415A	8-Jul-13	12-Jul-13	
AO3415AL	8-Jul-13	12-Jul-13	
AO3415AL_001	5-Oct-13	12-Oct-13	
AO3415AL_002	5-Oct-13	12-Oct-13	
AO3415AS	5-Oct-13	12-Oct-13	
AO3415AS_101	5-Oct-13	12-Oct-13	
AO3415A_101	8-Jul-13	12-Jul-13	
AO3416_101	18-Aug-13	20-Sep-13	
AO4422	21-Jul-13	31-Jul-13	
AO4616	21-Jul-13	31-Jul-13	
AO4616L	21-Jul-13	31-Jul-13	
AO4818	21-Jul-13	31-Jul-13	
AO4818B	21-Jul-13	31-Jul-13	
AO4818BL	21-Jul-13	31-Jul-13	
AO4818BL_101	21-Jul-13	31-Jul-13	
AO4818L	21-Jul-13	31-Jul-13	
AO4822	21-Jul-13	31-Jul-13	
AO4822A	21-Jul-13	31-Jul-13	
AO4822AL	21-Jul-13	31-Jul-13	
AO4822L	21-Jul-13	31-Jul-13	
AO4854	21-Jul-13	31-Jul-13	
AO4854L	21-Jul-13	31-Jul-13	
AO4854L_101	21-Jul-13	31-Jul-13	
AO4854L_102	21-Jul-13	31-Jul-13	
AO4914	21-Jul-13	31-Jul-13	
AO4914L	21-Jul-13	31-Jul-13	
AO6409AL_101	5-Oct-13	12-Oct-13	
AO6409A_102	8-Jul-13	12-Jul-13	
AO6409L_101	8-Jul-13	12-Jul-13	
AO6804A	5-Oct-13	12-Oct-13	
AO6804AL	5-Oct-13	12-Oct-13	

AO6808	5-Oct-13	12-Oct-13	
AO8801A	8-Jul-13	12-Jul-13	
AO8801AL	8-Jul-13	12-Jul-13	
AO8810	18-Aug-13	20-Sep-13	
AO8810L	18-Aug-13	20-Sep-13	
AO8810L_100	18-Aug-13	20-Sep-13	
AO8810L_102	18-Aug-13	20-Sep-13	
AO8810_102	18-Aug-13	20-Sep-13	
AO8814	5-Oct-13	12-Oct-13	
AO8814#A	5-Oct-13	12-Oct-13	
AO8814L	5-Oct-13	12-Oct-13	
AO8814L_100	5-Oct-13	12-Oct-13	
AO8822	5-Oct-13	12-Oct-13	
AO8822#A	5-Oct-13	12-Oct-13	
AO8822L	5-Oct-13	12-Oct-13	
AO8822L_100	5-Oct-13	12-Oct-13	
AO8830	5-Oct-13	12-Oct-13	
AOB14N50	21-Jul-13	24-Jul-13	
AOD3N50	21-Jul-13	24-Jul-13	
AOD3N50_001	21-Jul-13	24-Jul-13	
AOD3N50_002	21-Jul-13	24-Jul-13	
AOD3N50_003	21-Jul-13	24-Jul-13	
AOD4454	15-Jul-13	25-Aug-13	
AOD5N50	21-Jul-13	24-Jul-13	
AOD6N50	21-Jul-13	24-Jul-13	
AON3814	22-Jul-13	31-Jul-13	
AON3814L	22-Jul-13	31-Jul-13	
AON3816	22-Jul-13	31-Jul-13	
AON5820	25-Jul-13	31-Jul-13	
AON7406_101	21-Jul-13	31-Jul-13	
AON7426	Complete	Complete	
AON7426_101	Complete	Complete	
AON7526	21-Jul-13	31-Jul-13	
AON7804	21-Jul-13	31-Jul-13	
AOT14N50	21-Jul-13	24-Jul-13	

AOT16N50	21-Jul-13	24-Jul-13	
AOT3N50	21-Jul-13	24-Jul-13	
AOTF14N50	21-Jul-13	24-Jul-13	
AOTF14N50L	21-Jul-13	24-Jul-13	
AOTF14N50_001	21-Jul-13	24-Jul-13	
AOTF14N50_002	21-Jul-13	24-Jul-13	
AOTF16N50	21-Jul-13	24-Jul-13	
AOTF16N50L	21-Jul-13	24-Jul-13	
AOTF16N50_001	21-Jul-13	24-Jul-13	
AOTF3N50	21-Jul-13	24-Jul-13	
AOTF3N50L	21-Jul-13	24-Jul-13	
AOTF454L	15-Jul-13	25-Aug-13	
AOU3N50	21-Jul-13	24-Jul-13	
AOW14N50	21-Jul-13	24-Jul-13	
AOW14N50_001	21-Jul-13	24-Jul-13	
AOWF14N50	21-Jul-13	24-Jul-13	
PM2017	5-Oct-13	12-Oct-13	