



**TITLE: Product/Process Change Notice -Additional Assembly & Test
Manufacturing Location for DFN3.3x3.3_8L package**

RELEASE DATE: 2021-03-23

OWNER DEPARTMENT: Product & Test

REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2021-03-23	Yuye Cao	original

PROCESS CHANGE NOTIFICATION

Additional Assembly & Test Manufacturing Location for DFN3.3x3.3_8L package	PCN #	CN-00444A
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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.

To increase manufacturing capacity, we qualified Qingdao TRS Microelectronics Co. LTD (known as QTM) as an additional Assembly & Test manufacturing location for DFN3.3x3.3_8L package. QTM has been AOS assembly and test subcontractor for SOT23 package more than one year. The involved products are listed in the appendix. The form, fit, function, quality and reliability of our products will not be affected within 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>

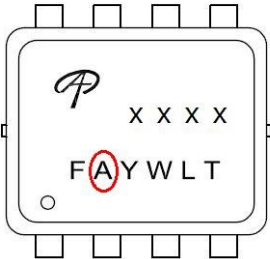
Sincerely,

CK OH

Senior 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 Assembly & test manufacturing location.			
DESCRIPTION OF CHANGE Add QTM as an additional assembly & test manufacturing location for DFN3.3x3.3_8L package.			
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 Jun, 28 th , 2021, or earlier upon customer approval.		
METHOD OF IDENTIFICATION Assembly location code "G" will be printed on the surface marking of the product. For details, please contact your local AOS sales representatives.			
			
A-Assembly location code: "G"-Qingdao TRS Microelectronics Co. LTD			
IMPACT OF CHANGE Form: None Fit: None Function: None Reliability: None Environment: None			
QUALIFICATION / RELIABILITY DATA: Reliability Qualification for DFN3.3x3.3_8L package:			
Reliability test			
Test Item	Condition	Time Point	Sample Size

HTGB	T=150 °C, Vgs=100% Vgsmax	1000 hours	77*3
HTRB	T=150 °C, Vds=80% Vdsmax	1000 hours	77*3
Precon	MSL soak + 3cycle reflow@ 260 °C	-	77*9
TC	-65(+0/-10) °C to +150(+15/-0) °C air to air; 30mins/cycle(preferred)	1000 cycles	77*3
HAST	130(±2) °C, 85(±5)%RH, 33.3psia, Vds=80% Vdsmax	96hours	77*3
PCT	121(±2) °C, 29.7psia, RH=100%	96hours	77*3

Note: the qualification is based on generic product family 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(d)

Appendix: Affected Product List

Part number	Estimated sample available date	Estimated completion date of qualification	Remark
AON7230	Contact Sales	Complete	
AON7232	Contact Sales	Complete	
AON7232_001	Contact Sales	Complete	
AON7254	Contact Sales	Complete	
AON7280	Contact Sales	Complete	
AON7290	Contact Sales	Complete	
AON7405	Contact Sales	Complete	
AON7405_001	Contact Sales	Complete	
AON7418	Contact Sales	Complete	
AON7418_001	Contact Sales	Complete	
AON7418_002	Contact Sales	Complete	
AON7421	Contact Sales	Complete	
AON7423	Contact Sales	Complete	
AON7423_001	Contact Sales	Complete	
AON7423_002	Contact Sales	Complete	
AON7428	Contact Sales	Complete	
AON7440	Contact Sales	Complete	
AON7442	Contact Sales	Complete	
AON7442_001	Contact Sales	Complete	
AON7520C	Contact Sales	Complete	
AON7528	Contact Sales	Complete	
AONR20375	Contact Sales	Complete	
AONR32318	Contact Sales	Complete	
AONR32318S	Contact Sales	Complete	
AONR32324	Contact Sales	Complete	
AONR32324_NB	Contact Sales	Complete	
AONR34332C	Contact Sales	Complete	
AONR36340	Contact Sales	Complete	
AONR62818	Contact Sales	Complete	
AONR62868	Contact Sales	Complete	
AONR62921	Contact Sales	Complete	

AONR62972	Contact Sales	Complete	
AONR66922	Contact Sales	Complete	
AONR66972	Contact Sales	Complete	