

TITLE: Product/Process Change Notice -Additional Driver IC foundry supply for AOZ5507QI product

RELEASE DATE: 2021-04-10

OWNER DEPARTMENT: Power IC - CHN

REVISION HISTORY

(The original approval sheet is kept in DCC)

REVISION	RELEASE DATE	AUTHOR	DESCRIPTION OF CHANGES
A	2021-04-10	Jun Chen	original

PROCESS CHANGE NOTIFICATION

**Additional Driver IC foundry supply for
AOZ5507QI product**

PCN #

CN-00451A

Dear Valued Customer,

This Product Change Notification (PCN) contains advance information about changes we are planning to make to the products that you have purchased within the last two years.

To increase manufacturing capacity, we qualified Tower Jazz as an additional Driver IC foundry supplier for AOZ5507QI product. This addition to the current TSMC foundry supplier would increase the Driver IC capacity to manufacturing this product. The involved products 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 as well as requests 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 PIC	PRODUCT(S) AFFECTED Please refer to 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 BOM change.			
DESCRIPTION OF CHANGE To increase manufacturing capacity, we qualified Tower Jazz as an additional Driver IC foundry supplier for AOZ5507QI product. This addition to the current TSMC foundry supplier would increase the Driver IC capacity to manufacturing this product.			
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 Jul. 1st, 2021, or earlier upon customer approval.		
METHOD OF IDENTIFICATION 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: Reliability Qualification:			
Reliability test			
Test Item	Condition	Time Point	Sample Size
HTOL	T=125°C, Vdd=100%Vmax	1000 hours	77*3
Solder reflow precondition	MSL soak + 3cycle reflow@ 260°C	-	77*12
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, Vin= Maximum voltage with heat dissipation <200mW	96 hours	77*3
PCT	121(±2)°C, 29.7psia, RH=100%	96 hours	77*3
HTS	150°C	1000 hours	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/
--	---

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
AOZ5507QI	Contact Sales	Complete	