



Final Product/Process Change Notification

Document #:FPCN25284X

Issue Date:16 May 2023

Title of Change:	NCP308MTADJTBG Fab Capacity Addition at onsemi Aizu Japan.	
Proposed First Ship date:	23 Aug 2023 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Mat.Hilton@onsemi.com	
PCN Samples Contact:	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.	
Additional Reliability Data:	Contact your local onsemi Sales Office or Daniel.Ong@onsemi.com	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	There is no change to the die marking. Traceability will be maintained by the manufacturing lot number.	
Change Category:	Wafer Fab Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Aizu, Japan	None	
Description and Purpose:		
<p>This final notification announces the qualification of the onsemi Aizu Japan fab for the NCP308MTADJTBG part number.</p> <p>The NCP308MTADJTBG is currently fabricated in the onsemi Gresham Oregon FAB. Upon approval of this FPCN, the NCP308MTADJTBG may be fabricated in either onsemi Gresham Oregon or onsemi Aizu Japan as shown in the table below.</p>		
	From	To
Fab Site	onsemi, Gresham Oregon, USA	onsemi Gresham Oregon, USA or onsemi Aizu, Japan
<p>Aizu die will have a narrower scribe width.</p> <p>There are no product material changes as a result of this change.</p> <p>There is no product marking change as a result of this change.</p>		



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Reliability Data Summary:

QV DEVICE NAME: NCP308MTADJTBG

RMS: S87946

PACKAGE: WDFN6 2*2

Test	Specification	Condition	Interval	Results
High Temperature Operating Life	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/231
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only		0/693
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231

Electrical Characteristics Summary:

Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the **PCN Customized Portal**.

Part Number	Qualification Vehicle
NCP308MTADJTBG	NCP308MTADJTBG

Appendix A: Changed Products

PCN#: FPCN25284X
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Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCP308MTADJTBG		NCP308MTADJTBG	NA	