



Final Product/Process Change Notification

Document #:FPCN25110XA

Issue Date:25 Mar 2024

Title of Change:	NCP3284MNTXG and NCP3284AMNTXG will add onsemi Aizu FAB, plus a silicon revision to fix product startup condition, and a datasheet update to correct the CDM Max value.
Proposed First Ship date:	02 Jul 2024 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Jeremy.Ferris@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 Roy.Moreno@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:	Products will be identifiable by trace codes and lot numbers associated with the product. onsemi cannot lot combine product from (2) different wafer FABs on the same reel of product.
Change Category:	Silicon revision, Datasheet parameter change, Wafer Fab Change
Change Sub-Category(s):	Datasheet/Product Doc change, Product specific change, Manufacturing Site Addition

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
onsemi Aizu, Japan	None
onsemi, Gresham United States	

Description and Purpose:

onsemi would like to notify its customers of the addition of onsemi Aizu, Japan as an additional fab site for the NCP3284MNTXG and NCP3284AMNTXG

This notification also communicates a silicon revision to the NCP3284MNTXG and NCP3284AMNTXG correcting a start-up failure for applications using a resistor divider on PG pin and a delayed EN signal.

	Before Change Description	After Change Description	
FAB	onsemi Gresham, USA	onsemi Aizu, Japan	onsemi Gresham, USA

Lastly, there is a correction to the product datasheet that reduces the CDM max voltage from 2.0kV to 1.5kV. This corrects a documentation error and is unrelated to the fab or silicon revision changes.

	Before Change Description	After Change Description
Datasheet CDM Max	2.0kV	1.5kV

There is no change to the orderable part number.

There is no product marking change as a result of this change.



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Reliability Data Summary:

QV DEVICE NAME: NCP3284MNTXG

RMS: O88014

PACKAGE: PQFN 37

Test	Specification	Condition	Interval	Results
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST, and HAST	Post-stress	0/720
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	1000 cycles	0/234
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hours	0/234
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hours	0/240
Wire Bond Pull	MIL-STD-883 TM 2011	30 bonds per lot, 3 lots.		0/90

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
NCP3284AMNTXG	NCP3284MNTXG
NCP3284MNTXG	NCP3284MNTXG