



Final Product/Process Change Notification

Document #:FPCN25021X

Issue Date:17 Jul 2023

Title of Change:	Qualify 0.5um Silicon on Insulator (SOI) backgrinding & Si etching on Vanguard International Semiconductor (VIS) Corporation FAB2 as 2nd source
Proposed First Ship date:	22 Oct 2023 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Wayne.Cheng@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 Paul.Syndergaard@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:	The affected products will be identified with date code
Change Category:	Wafer Fab Change
Change Sub-Category(s):	Manufacturing Site Addition

Sites Affected:	
onsemi Sites	External Foundry/Subcon Sites
None	Vanguard International Semiconductor, Taiwan

Description and Purpose:

VIS plans to release SOI back grinding and Si etching a 2nd source at FAB2 to expand capacity and reduce potential delivery issues.

	From	To
Back grinding location	PSI	PSI / VIS FAB2

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



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Reliability Data Summary:

QV DEVICE NAME: NCP81075DR2G

RMS: O91147

PACKAGE: SOIC-8N

Test	Specification	Condition	Interval	LotA
PC	J-STD-020, JESD-A113	MSL 1 IR reflow at 260 °C		All Pass
TC+PC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/80

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
NCP81080MNTBG	NCP81075DR2G
NCP81080DR2G	NCP81075DR2G
NCP81075DR2G	NCP81075DR2G

Appendix A: Changed Products

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DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCP81080MNTBG		NCP81075DR2G	NA	
NCP81075DR2G		NCP81075DR2G	NA	
NCP81080DR2G		NCP81075DR2G	NA	