



Initial Product/Process Change Notification

Document #: IPCN26053XA

Issue Date: 15 Apr 2024

Title of Change:	Wafer Fab Site Transfer from LA Semi Fab10 Pocatello to onsemi Gresham for NCS37010MNTWG.	
Proposed First Ship date:	01 Oct 2024 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Jonathan.Bass@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.	
Type of Notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact < PCN.Support@onsemi.com >	
Marking of Parts/ Traceability of Change:	No change to marking / Changed material may be identified by lot code	
Change Category:	Wafer Fab Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi, Gresham United States	None	
Description and Purpose:		
onsemi would like to notify its customers of its intent to qualify NCS37010MNTWG at our onsemi Gresham wafer FAB.		
The qualification enables expanded capacity for this technology and ensures business continuity.		
Sample date/FPCN: Q2'24		
Please work with your local sales team to provide the bridge quantity required until the production shipments from Gresham site begin.		
The sales team will provide a quote for the bridge quantity order with an expectation that an NCNR PO is placed within 30 days of receipt of IPCN.		
onsemi plans to begin shipping Gresham product 3 months after FPCN is issued. If more time is needed to qualify discuss with your local sales team.		
	From	To
Fab Site	LAS Pocatello Fab10, US	onsemi Gresham, US
There is no product marking change as a result of this change.		



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Qualification Plan:

QV DEVICE NAME: NCS37010MNTWG

RMS: 93619

PACKAGE: QFN 16 Lead

Test	Specification	Condition	Interval
High Temperature Operating Life	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs
High Temperature Storage Life	JESD22-A103	Ta=150°C	2016 hrs
Preconditioning	J-STD-020 JESD-A113	MSL 3 @ 260°C	
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	1000 cyc
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs

Estimated date for qualification completion: **30 June 2024**

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
NCS37010MNTWG	NCS37010MNTWG

Appendix A: Changed Products

PCN#: IPCN26053XA
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DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCS37010MNTWG	NCS37010MNTWGOSTR-ND	NCS37010MNTWG	#NONE	