



Final Product/Process Change Notification

Document #:FPCN25734Z

Issue Date:09 Oct 2023

Title of Change:	KYEC Taiwan Final Test Site Addition for NCV78723MWxxxx
Proposed Changed Material First Ship Date:	04 May 2024 or earlier if approved by customer
Current Material Last Order Date:	N/A <i>Orders received after the Current Material Last Order Date expiration are to be considered as orders for new changed material as described in this PCN. Orders for current (unchanged) material after this date will be per mutual agreement and current material inventory availability.</i>
Current Material Last Delivery Date:	N/A <i>The Current Material Last Delivery Date may be subject to change based on build and depletion of the current (unchanged) material inventory</i>
Product Category:	Active components – Integrated circuits
Contact information:	Contact your local onsemi Sales Office
PCN Samples Contact:	Contact your local onsemi Sales Office to place sample order. Sample requests are to be submitted no later than 45 days after publication of this change notification. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.
Sample Availability Date:	17 Oct 2023
PPAP Availability Date:	17 Oct 2023
Additional Reliability Data:	N/A
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. The change will be implemented at 'Proposed Change Material First Ship Date' in compliance to J-STD-46 or ZVEI, or earlier upon customer approval, or per our signed agreements. onsemi will consider this proposed change and it's conditions acceptable, unless an inquiry is made in writing within 45 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com .
Change Category	
Category	Type of Change
Test Flow	Move of all or part of electrical wafer test and/or final test to a different location/site/subcontractor

Description and Purpose:

To add KYEC Test site as a second location for NCV78723MW2R2G;NCV78723MW2BR2G;NCV78723MW5BR2G;NCV78723MW5R2G; NCV78723MW2AR2G;NCV78723MW5AR2G on T2000 test platform will add more capacity and flexibility in production. The current FT location onsemi Philippines will not be affected.

KYEC FT test site as a qualified location does not impact fit, form, function or reliability of the product. This addition is to improve the manufacturing capacity and flexibility to ensure on-time customer delivery.

The details of the test location changes are listed below.

	From	To
Final Test location	onsemi Philippines (Carmona)	onsemi Philippines(Carmona) and King Yuan Electronics Co. (KYEC, Taiwan)

There are no product material changes as a result of this change.

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

A full qualification was completed at KYEC final tests according to the qualification plan.
Results are summarized on the table below.

Qualification Results Summary:

Test	Results
Test Correlation	Passed
Binning Correlation	Passed
Cpk	Passed
GRR	Passed

Refer to the attached Qualification Refort for more details

To view attachments:

1. Download pdf copy of the PCN to your computer
2. Open the downloaded pdf copy of the PCN
3. Click on the paper clip icon available on the menu provided in the left/bottom portion of the screen to reveal the Attachment field
4. Then click on the attached file/s

Reason / Motivation for Change:	Additional capacity.	
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	The device has been qualified and validated based on the same Product Specification. The device has successfully passed the qualification tests. Potential impacts can be identified, but due to testing performed by onsemi in relation to the PCN, associated risks are verified and excluded. No anticipated impacts.	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	KYEC, Taiwan	
Marking of Parts/ Traceability of Change:	Traceability via Lot IDs	
Reliability Data Summary:		
Reliability is NOT impacted.		
Electrical Characteristics Summary:		
Electrical characteristics are not impacted. Qualification report is attached, including the parametric and bin correlation data.		



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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**.

Current Part Number	New Part Number	Qualification Vehicle
NCV78723MW5AR2G	NA	Yes
NCV78723MW5R2G	NA	No
NCV78723MW5BR2G	NA	No
NCV78723MW2R2G	NA	No
NCV78723MW2BR2G	NA	Yes
NCV78723MW2AR2G	NA	No

Appendix A: Changed Products

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DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCV78723MW5R2G		No	NA	
NCV78723MW2R2G		No	NA	