



Final Product/Process Change Notification

Document #: FPCN25006Z

Issue Date: 30 Mar 2023

Title of Change:	NCV81341x final test enablement at ASECL, Taiwan (ChungLi).	
Proposed Changed Material First Ship Date:	07 Oct 2023 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 or Jelle.Genne@onsemi.com	
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:	01 Apr 2023	
PPAP Availability Date:	01 Apr 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:		
onsemi will enable ASECL as an external manufacturing site for final test, packing and shipping to add more production flexibility and capacity.		
	From	To
Final test, packing and shipping site	onsemi Carmona, Phillipines	onsemi Carmona, Phillipines and ASECL, Taiwan (ChungLi)
There are no product material changes as a result of this change.		
There is no product marking change as a result of this change.		

Reason / Motivation for Change:	Capacity improvement														
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													
onsemi Carmona, Philippines		ASECL, Taiwan (ChungLi)													
Marking of Parts/ Traceability of Change:	Identify by Date or Lot code														
Qualification Data Summary:															
<table border="1"> <thead> <tr> <th>Test</th> <th>Results</th> </tr> </thead> <tbody> <tr> <td>Gauge R&R</td> <td>Passed</td> </tr> <tr> <td>Test Correlation</td> <td>Passed</td> </tr> <tr> <td>Cpk Check</td> <td>Passed</td> </tr> <tr> <td>Binning Correlation</td> <td>Passed</td> </tr> <tr> <td>Packing</td> <td>Passed</td> </tr> </tbody> </table>				Test	Results	Gauge R&R	Passed	Test Correlation	Passed	Cpk Check	Passed	Binning Correlation	Passed	Packing	Passed
Test	Results														
Gauge R&R	Passed														
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Cpk Check	Passed														
Binning Correlation	Passed														
Packing	Passed														
A full qualification has been completed at ASECL Final Test and packing process according to the qualification plan, procedure, acceptance criteria and correlation of: 1. Test data between the test equipment of source (onsemi-Carmona ETS800/M4841) and the target tester (ASECL-ETS800/DELTA MATRIX). Attach are the the Gauge R&R, correlations, Yield and Cpk reports. 2. Qualification data of Packing material and equipment in ASECL. Attach is the Qualification summary and gap analysis of Packing material.															
Refer to the attached files for details:															
• "FPCN25006Z_NCV81341_ASE-CL_Qualification_Report" • "FPCN25006Z_NCV81341_ASE-CL_GRR_Report" • "FPCN25006Z_NCV81341_ASE-CL_Packing Report"															
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.															
Electrical Characteristics Summary:															
Electrical characteristics are not impacted.															



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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
NCV81341PMTWTXG	N/A	NCV81341PMTWTXG
NCV81341MTWTXG	N/A	NCV81341MTWTXG