



Initial Product/Process Change Notification

Document #: IPCN27448Z

Issue Date: 09 Jul 2026

Title of Change:	Qualification of modified IC top metal (AlCuSi to AlCu) for ASPM34 products at onsemi Bucheon, Korea	
Proposed Changed Material First Ship Date:	01 Feb 2027 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.	
Additional Reliability Data:	Contact your local onsemi Sales Office	
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 6 months prior to implementation of the change. In case of questions, contact <PCN.Support@onsemi.com>	
Change Category		
Category	Type of Change	
Bare Die	SEM-BD-02: Change of top metallization or bond pad stack	
Description and Purpose:		
onsemi wishes to inform customers of its plan to qualify a modified integrated circuit top metallization for ASPM34 control Integrated Circuits (IC) manufactured at the onsemi Bucheon, Korea wafer fabrication site.		
	Before Change Description	After Change Description
Top metal change (control IC)	AlSiCu	AlCu
There is no product marking change as a result of this change.		
There are no changes in product electrical specifications.		
Reason / Motivation for Change:	Quality improvement, Source/Supply/Capacity Changes Process/Materials Change	
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	The device will be qualified and validated based on the same Product Specification. No anticipated impacts.	



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Sites Affected:			
onsemi Sites		External Foundry/Subcon Sites	
onsemi Bucheon, Korea		None	
Marking of Parts/ Traceability of Change:	Changed material can be identified by date code		
Qualification Plan:			
QV DEVICE NAME: NFVA25012NP2T PACKAGE: ASPM34			
Test	Specification	Condition	Interval
High Temp Storage Life	JESD22-A103 cond. B	Ta =150°C	1008hrs
High Temp High Humidity Reverse Bias	JESD22-A101	Temp = 85°C, 85% RH, bias = Vcc 15V, Vdd=5V, Vce=100V	1008hrs
Thermal Shock	AQG324	Temp = -40°C to +125°C, 30sec transition time, 15min dwell time at each min/max temp.	1000cycs
Electrical Characteristics Summary:			
Electrical characteristics are not impacted.			
List of Affected Parts:			
<i>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.</i>			
Current Part Number	New Part Number	Qualification Vehicle	
NFVA25012NP2T	#NONE	NFVA25012NP2T	
NFVA23512NP2T	#NONE	NFVA25012NP2T	
NFVA23512NP2T-Z014	#NONE	NFVA25012NP2T	
NFVA22512NP2T	#NONE	NFVA25012NP2T	

PCN Product List Addendum for:

Customer Contact Name: Premier Farnell Dropbox

Customer Contact Email: productchangenotices@newark.com

Appendix A: Changed Products

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NWKC: PREMIER FARNELL

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NFVA25012NP2T	3463985	NFVA25012NP2T	#NONE	