



Final Product/Process Change Notification

Document #:FPCN26275Z

Issue Date:09 Sep 2025

Title of Change:	Transfer of Backlapping and Si Etching Process from PSI to VIS for 0.25um SOI at Vanguard International Semiconductor Corporation, Taiwan.	
Proposed Changed Material First Ship Date:	16 Mar 2026 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:	28 Aug 2025	
PPAP Availability Date:	17 Jul 2025	
Additional Reliability Data:	Contact your local onsemi Sales Office	
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	
Process - Wafer Production	SEM-PW-13: Move all or parts of production to a different wafer fab site.	
Equipment	SEM-EQ-02: Production from a new equipment/tool which uses the same basic technology (replacement equipment or extension of existing equipment pool) without change of process.	
Description and Purpose:		
Backlapping process and Si etching will transfer due to PSI(Phoenix Silicon International Corporation) discontinuing backlapping business with VIS (Vanguard International Semiconductor Corporation) requiring these processes to transfer from PSI to VIS.		
	From	To
Backgrind Site (Backlapping and Si etching)	Phoenix Silicon International Corporation	Vanguard International Semiconductor Corporation
There is no product marking change as a result of this change.		



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Reason / Motivation for Change:	Process/Materials Change			
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		Vanguard International Semiconductor, Taiwan		
Marking of Parts/ Traceability of Change:	No marking change. The change material can be identified by date code or lot code.			
Reliability Data Summary:				
QV DEVICE NAME FAD3171MXA RMS: O98426 PACKAGE: SOIC8				
Test	Specification	Condition	Interval	Results
Preconditioning	J-STD-020 JESD-A113	MSL1 @ 260 °C		0/320
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/320
NOT: AEC-1pager is attached.				
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.				

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 <u>PCN Customized Portal</u> .		
Current Part Number	New Part Number	Qualification Vehicle
FAD3151MXA	#NONE	FAD3171MXA
FAD3171MXA	#NONE	FAD3171MXA