



Final Product/Process Change Notification

Document #:FPCN24928Z2

Issue Date:16 Oct 2023

Title of Change:	Update of FPCN24928Z Series – New Proposed Changed Material First Ship Date: Schottky Metallization Change and Lead Frame Modification for SOD 123 FL Package.
Proposed Changed Material First Ship Date:	16 Oct 2023
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 – Discrete components
Contact information:	Contact your local onsemi Sales Office or SitiNurhaza.MohdRamli@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:	13 Feb 2023
PPAP Availability Date:	13 Feb 2023
Additional Reliability Data:	Contact your local onsemi Sales Office or MohdAzizi.Azman@onsemi.com
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
Bare Die	New / change of backside metallization, New / change of frontside metallization
Process - Assembly	Change in leadframe dimensions
Description and Purpose:	
FPCN24928Z, FPCN24928Z1 and FPCN24928ZA was previously distributed to qualify Schottky Metallization Change And Lead Frame Modification for SOD 123 FL Package.	
This update notification is to inform customers that the changes in the Schottky Metallization and Lead Frame Modification for the SOD 123 FL Package will be implemented for the Orderable Part Numbers (OPNs) listed in the provided list of affected parts earlier than originally scheduled, per above provided "Proposed Changed Material First Ship Date".	
By implementing the Schottky Metallization Change and Lead Frame Modification for the specified OPNs (FPCN24928Z, FPCN24928Z1 and FPCN24928ZA), onsemi ensures effective support for customers' demand. If a customer does not wish to receive products with the changes outlined in FPCN24928Z, FPCN24928Z1 and FPCN24928ZA, they should coordinate with their local sales contacts to make the necessary arrangements.	

Reason / Motivation for Change:	Quality improvement	
Anticipated impact on fit, form, function, reliability, product safety or manufacturability:	<p>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.</p> <p>No anticipated impacts.</p>	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
onsemi Seremban, Malaysia	None	
onsemi, ISMF Malaysia		
Marking of Parts/ Traceability of Change:	By date code	
Reliability Data Summary:		
Refer to original FPCN24928Z, FPCN24928Z1 and FPCN24928ZA .		
Electrical Characteristics Summary:		
Electrical characteristics are not impacted.		
List of Affected Parts:		
<p>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>.</p>		
Current Part Number	New Part Number	Qualification Vehicle
NRVB140SFT3G	SNRVB140SFT3G	NRVB2H100SFT3G
NRVB140SFT1G	SNRVB140SFT1G	NRVB2H100SFT3G
NRVB2H100SFT3G	NA	NRVB2H100SFT3G
NRVB230LSFT1G	NA	NRVB2H100SFT3G
NRVB1H100SFT3G	NA	NRVB2H100SFT3G
NRVB140ESFT3G	NA	NRVB2H100SFT3G
NRVB140ESFT1G	NA	NRVB2H100SFT3G
NRVB130LSFT1G	SNRVB130LSFT1G	NRVB2H100SFT3G
NRVB120VLSFT1G	NA	NRVB2H100SFT3G