



Final Product/Process Change Notification

Document #:FPCN25312Z

Issue Date:13 Apr 2023

Title of Change:	New mask design qualified for SZNZ8F Series.	
Proposed Changed Material First Ship Date:	20 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 – Discrete components	
Contact information:	Contact your local onsemi Sales Office or norhayati.othman@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:	N/A	
PPAP Availability Date:	N/A	
Additional Reliability Data:	Contact your local onsemi Sales Office or Nicky.Siu@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	
Design	Design Change in Active Elements	
Description and Purpose:		
This FPCN is to inform that onsemi qualified a new mask design for the devices listed in this FPCN. This change is an effort of a continuous improvement and increased scrutiny of design rules, while maintaining the current performances of the affected parts.		
	From	To
Mask set	AS19	DP17
Die size	260x330um	297x367um
Reason / Motivation for Change:		
Quality 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.	



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Sites Affected:				
onsemi Sites		External Foundry/Subcon Sites		
onsemi, ISMF Malaysia		None		
Marking of Parts/ Traceability of Change:		Part will be identified with date code		
Reliability Data Summary:				
QV DEVICE NAME: SZNZ8F47VMX2WT5G RMS: 86697 PACKAGE: X2DFN-2				
Test	Specification	Condition	Interval	Results
HTRB	JESD22-A108	Ta= 150°C, 100% max rated V	2856 hrs	0/246
TC-PC	JESD22-A104	Ta= -65°C to +150°C	2000 cyc	0/237
NOTE: 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
SZNZ8F27VSMX2WT5G	N/A	SZNZ8F47VMX2WT5G
SZNZ8F33VSMX2WT5G	N/A	SZNZ8F47VMX2WT5G
SZNZ8F47VSMX2WT5G	N/A	SZNZ8F47VMX2WT5G
SZNZ8F27VMX2WT5G	N/A	SZNZ8F47VMX2WT5G
SZNZ8F33VMX2WT5G	N/A	SZNZ8F47VMX2WT5G
SZNZ8F47VMX2WT5G	N/A	SZNZ8F47VMX2WT5G