



## Final Product/Process Change Notification

Document #:FPCN25312X

Issue Date:17 May 2023

<b>Title of Change:</b>	New mask design qualified for SZNZ8F Series.			
<b>Proposed First Ship date:</b>	24 Aug 2023 or earlier if approved by customer			
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:norhayati.othman@onsemi.com">norhayati.othman@onsemi.com</a>			
<b>PCN Samples Contact:</b>	Contact your local onsemi Sales Office. Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change. Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.			
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Nicky.Siu@onsemi.com">Nicky.Siu@onsemi.com</a>			
<b>Type of Notification:</b>	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. onsemi will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>			
<b>Marking of Parts/ Traceability of Change:</b>	Part will be identified with date code			
<b>Change Category:</b>	Wafer Fab Change			
<b>Change Sub-Category(s):</b>	Mask Design Change			
<b>Sites Affected:</b>				
<b>onsemi Sites</b>		<b>External Foundry/Subcon Sites</b>		
onsemi, ISMF Malaysia		None		
<b>Description and Purpose:</b>				
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.				
	<b>From</b>	<b>To</b>		
Mask set	AS19	DP17		
Die size	260x330um	297x367um		
<b>Reliability Data Summary:</b>				
QV DEVICE NAME: SZNZ8F47VMX2WT5G				
RMS: 86697				
PACKAGE: X2DFN-2				
<b>Test</b>	<b>Specification</b>	<b>Condition</b>	<b>Interval</b>	<b>Results</b>
HTRB	JESD22-A108	Ta= 150°C, 100% max rated V	2016 hrs	0/231
SSOP	MIL-STD-750-1	Tj=max, V=100% rated IZmax	2016 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/231
PC	J-STD-020, JESD-A113	MSL 1 @260°C	-	-



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### 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 **PCN Customized Portal**.

Part Number	Qualification Vehicle
NZ8F27VSMX2WT5G	SZNZ8F47VMX2WT5G
NZ8F27VMX2WT5G	SZNZ8F47VMX2WT5G
NZ8F33VSMX2WT5G	SZNZ8F47VMX2WT5G
NZ8F33VMX2WT5G	SZNZ8F47VMX2WT5G
NZ8F47VSMX2WT5G	SZNZ8F47VMX2WT5G
NZ8F47VMX2WT5G	SZNZ8F47VMX2WT5G