



Final Product/Process Change Notification

Document #:FPCN24054X

Issue Date:09 Jun 2021

Title of Change:	Qualify Bucheon 8" SF2 for SPM5 PKG using existing SF2 process.	
Proposed First Ship date:	16 Sep 2021 or earlier if approved by customer	
Contact Information:	Contact your local ON Semiconductor Sales Office or Sungdae.Shin@onsemi.com	
PCN Samples Contact:	Contact your local ON Semiconductor Sales Office or < PCN.samples@onsemi.com >. 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.	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Jayoung.Hong@onsemi.com	
Type of Notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact PCN.Support@onsemi.com	
Marking of Parts/ Traceability of Change:	Date Code	
Change Category:	Wafer Fab Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
ON Semiconductor Sites	External Foundry/Subcon Sites	
ON Semiconductor Bucheon, Korea	None	
Description and Purpose:		
Qualify Bucheon 8inch SF2 process for SPM5 products to increase capacity.SF2 is a qualified BK8 process that is already being used with other discrete packages		
Site	Before	After
ON Semiconductor Bucheon, Korea	6inch	6inch and 8inch
"There are no product material changes as a result of this change"		
"There is no product marking change as a result of this change"		

**Reliability Data Summary:**QV DEVICE NAME FSB50760SFSPACKAGE: SPM5 ver 2.0RMS# : 52337, 61529

Test	Name	Test Conditions	End Point Req's	Test Results	(rej/ ss)
				Read Point	Lot A
Prep	Sample preparation and initial part testing	various	---	Initial Electrical	done
HTRB	High Temp Reverse Bias	TA = 145°C for 1008 hours, 80% rated	c = 0, Room	Initial	0/12
				504 Hrs	0/12
				1008 Hrs	0/12
PC	MSL 3 Preconditioning	IR @ 245 °C	c = 0, Room		0/12
TC-PC	Temperature Cycling + PC		c = 0, Room	Post PC Electrical	0/12
				500 Cyc	0/12
				1000 Cyc	0/12

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
FSB50760SF	FSB50760SFS
FSB50660SFT	FSB50760SFS
FSB50660SFS	FSB50760SFS
FSB50660SF	FSB50760SFS
FSB50760SFT	FSB50760SFS
FSB50760SFS	FSB50760SFS



Appendix A: Changed Products

PCN#: FPCN24054X
Issue Date: Jun 09, 2021

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FSB50660SF		FSB50760SFS	NA	
FSB50760SFS		FSB50760SFS	NA	
FSB50760SFT		FSB50760SFS	NA	