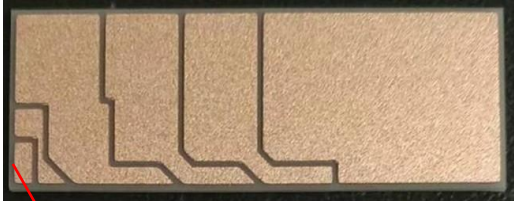
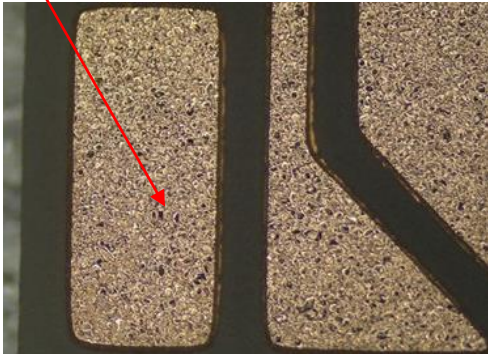

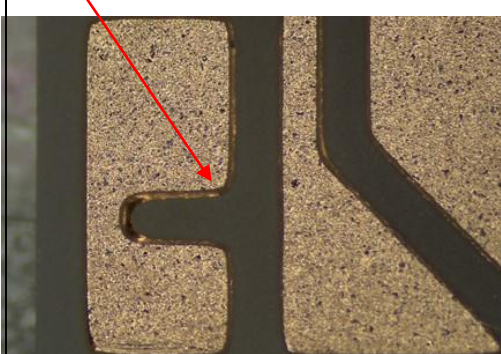




## Final Product/Process Change Notification

Document #:FPCN23267X

Issue Date:08 Oct 2020

<b>Title of Change:</b>	SPM32 direct bonding copper (DBC) substrate pattern change.	
<b>Proposed First Ship date:</b>	01 Mar 2021 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:Daisy.Zhi@onsemi.com">Daisy.Zhi@onsemi.com</a>	
<b>PCN Samples Contact:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:PCN.samples@onsemi.com">PCN.samples@onsemi.com</a> 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 ON Semiconductor Sales Office or <a href="mailto:Lake.Wang@onsemi.com">Lake.Wang@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. 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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>	
<b>Marking of Parts/ Traceability of Change:</b>	No Marking change and date code to traceability	
<b>Change Category:</b>	Assembly Change	
<b>Change Sub-Category(s):</b>	Material Change	
<b>Sites Affected:</b>		
<b>ON Semiconductor Sites</b>	<b>External Foundry/Subcon Sites</b>	
ON Semiconductor Suzhou, China	None	
<b>Description and Purpose:</b>		
DBC left bottom corner shape is rectangle in current and will change to etched in the future.		
<b>DBC pattern change</b>	<p>DBC left bottom corner shape is rectangle</p>  	<p>DBC left bottom corner shape is etched</p>  

**Reliability Data Summary:**

QV DEVICE NAME:FSAM75SM60A

RMS :U62238&amp;U69760

PACKAGE : SPM32

Test	Specification	Condition	Interval	Result
HTSL	JESD22-A103	Ta= <u>125</u> °C	<u>1008</u> hrs	0/ <u>60</u>
TC	JESD22-A104	Ta= - <u>40</u> °C to + <u>125</u> °C	<u>1000</u> cyc	0/ <u>60</u>
H3TRB	JESD22-A101	85°C, RH=85%, bias = 80% of rated V or 100V max	<u>1008</u> hrs	0/ <u>60</u>
uHAST	JESD22-A118	110°C, 85% RH, 18.8psig, unbiased	<u>264</u> hrs	0/ <u>60</u>
RSH	JESD22- B106	Ta = 265C, 10 sec		0/ <u>30</u>

**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
FSAM75SM60A	FSAM75SM60A
FSAM75SM60SL	N/A



Appendix A: Changed Products

D

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FSAM75SM60A		FSAM75SM60A		