



Initial Product/Process Change Notification

Document #: IPCN23267X

Issue Date: 15 Apr 2020

Title of Change:	SPM32 direct bonding copper (DBC) substrate pattern change.
Proposed First Ship date:	15 Oct 2020 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Daisy.Zhi@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.
Type of Notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact PCN.Support@onsemi.com
Marking of Parts/ Traceability of Change:	No Marking change and date code to traceability
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change

Sites Affected:**ON Semiconductor Sites**

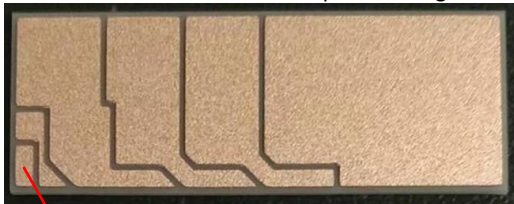
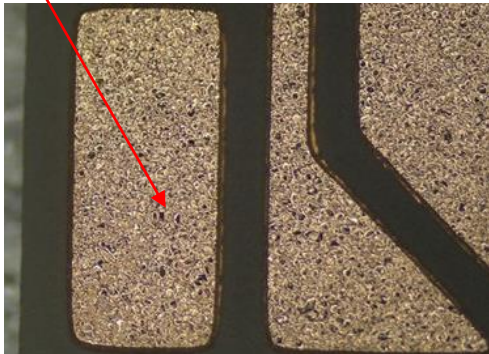

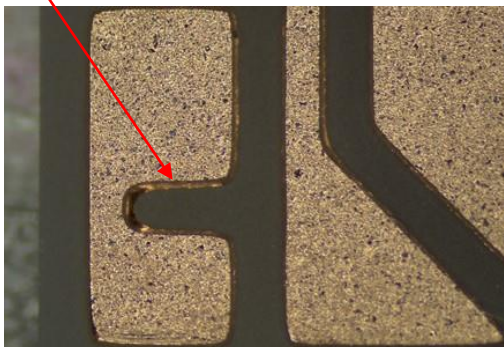
ON Semiconductor Suzhou, China

External Foundry/Subcon Sites

None

Description and Purpose:

DBC left bottom corner shape is rectangle in current and will change to etched in the future.

	Before Change Description	After Change Description
DBC pattern change	<p>DBC left bottom corner shape is rectangle</p>  	<p>DBC left bottom corner shape is etched</p>  

**Qualification Plan:**QV DEVICE NAME: FSAM75SM60ARMS : U62238PACKAGE : SPM32

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

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	FSAM75SM60A