



Final Product/Process Change Notification

Document #: FPCN23637X

Issue Date: 27 Aug 2021

Title of Change:	SPM32 1.3mil golden wire conversion to 1.2mil copper wire.																																	
Proposed First Ship date:	04 Dec 2021 or earlier if approved by customer																																	
Contact Information:	Contact your local onsemi Sales Office or Daisy.Zhi@onsemi.com																																	
PCN Samples Contact:	Contact your local onsemi 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 onsemi Sales Office or Kunchen.Ge@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. 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 PCN.Support@onsemi.com																																	
Marking of Parts/ Traceability of Change:	Marking no change and traceability follow date code																																	
Change Category:	Assembly Change																																	
Change Sub-Category(s):	Material Change																																	
Sites Affected:																																		
onsemi Sites		External Foundry/Subcon Sites																																
onsemi Suzhou, China		None																																
Description and Purpose:																																		
This final notification announces the change in Bond Wire from SPM32 1.3mil gold wire conversion to 1.2mil copper wire:																																		
<table border="1"><thead><tr><th></th><th>Before Change Description</th><th>After Change Description</th></tr></thead><tbody><tr><td>Bond Wire</td><td>1.3mil gold wire</td><td>1.2mil copper wire</td></tr></tbody></table>						Before Change Description	After Change Description	Bond Wire	1.3mil gold wire	1.2mil copper wire																								
	Before Change Description	After Change Description																																
Bond Wire	1.3mil gold wire	1.2mil copper wire																																
There is no product marking change as a result of this change.																																		
Reliability Data Summary:																																		
QV DEVICE NAME : FSAM75SM60A RMS: U77234 PACKAGE: SPM2V																																		
<table border="1"><thead><tr><th>Test</th><th>Specification</th><th>Condition</th><th>Interval</th><th>Results</th></tr></thead><tbody><tr><td>HTSL</td><td>JESD22-A103</td><td>Ta= _125C_</td><td><u>1008</u> hrs</td><td>0/ <u>20</u></td></tr><tr><td>TC</td><td>JESD22-A104</td><td>Ta= -_40_°C to +_125_°C</td><td><u>1000</u> cyc</td><td>0/ <u>30</u></td></tr><tr><td>H3TRB</td><td>JESD22-A101</td><td>85°C, 85% RH, 18.8psig, bias=100V</td><td><u>2016</u> hrs</td><td>0/ <u>20</u></td></tr><tr><td>uHAST</td><td>JESD22-A118</td><td>130°C, 85% RH, 18.8psig, unbiased</td><td><u>96</u> hrs</td><td>0/ <u>20</u></td></tr><tr><td>RSH</td><td>JESD22- B106</td><td>Ta = 265C, 10 sec</td><td></td><td>0/ <u>10</u></td></tr></tbody></table>					Test	Specification	Condition	Interval	Results	HTSL	JESD22-A103	Ta= _125C_	<u>1008</u> hrs	0/ <u>20</u>	TC	JESD22-A104	Ta= -_40_°C to +_125_°C	<u>1000</u> cyc	0/ <u>30</u>	H3TRB	JESD22-A101	85°C, 85% RH, 18.8psig, bias=100V	<u>2016</u> hrs	0/ <u>20</u>	uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	<u>96</u> hrs	0/ <u>20</u>	RSH	JESD22- B106	Ta = 265C, 10 sec		0/ <u>10</u>
Test	Specification	Condition	Interval	Results																														
HTSL	JESD22-A103	Ta= _125C_	<u>1008</u> hrs	0/ <u>20</u>																														
TC	JESD22-A104	Ta= -_40_°C to +_125_°C	<u>1000</u> cyc	0/ <u>30</u>																														
H3TRB	JESD22-A101	85°C, 85% RH, 18.8psig, bias=100V	<u>2016</u> hrs	0/ <u>20</u>																														
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	<u>96</u> hrs	0/ <u>20</u>																														
RSH	JESD22- B106	Ta = 265C, 10 sec		0/ <u>10</u>																														
Electrical Characteristics Summary:																																		
Electrical characteristics are not impacted.																																		



Final Product/Process Change Notification

Document #:FPCN23637X

Issue Date:27 Aug 2021

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
FPAM30LH60	FSAM75SM60A
FPAM50LH60	FSAM75SM60A
FPAM50LH60G	FSAM75SM60A