



Title of Change:	Addition of Amkor, Taiwan for test, die processing, and packing of the FSA4476UCX.																
Proposed first ship date:	3 July 2019 or earlier after customer approval.																
Contact information:	Contact your local ON Semiconductor Sales Office or <Jeremy.Ferris@onsemi.com>.																
Samples:	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.																
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <Rob.Travis@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>																
Change Part Identification:	The change parts will be identified by the assembly site marking code on the product top mark, and the country of origin on the box label.																
Change Category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input checked="" type="checkbox"/> Test Change <input type="checkbox"/> Other _____																
Change Sub-Category(s):	<input checked="" type="checkbox"/> Manufacturing Site Addition <input type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input checked="" type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Other: _____																
Sites Affected:	ON Semiconductor Sites: ON Cebu, Philippines	External Foundry/Subcon Sites: Amkor, Taiwan															
Description and Purpose:																	
	<table border="1"> <thead> <tr> <th></th> <th>Before Change Description</th> <th>After Change Description</th> </tr> </thead> <tbody> <tr> <td>Test Site</td> <td>ON Semiconductor, Cebu Philippines</td> <td>ON Semiconductor, Cebu Philippines Amkor, Taiwan</td> </tr> <tr> <td>Die Processing, Packing Site</td> <td>ON Semiconductor, Cebu Philippines</td> <td>ON Semiconductor, Cebu Philippines Amkor, Taiwan</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th></th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>Top Mark: Plant Code</td> <td>ON Semiconductor, Cebu Philippines: D</td> <td>ON Semiconductor, Cebu Philippines: D Amkor, Taiwan: J</td> </tr> </tbody> </table>			Before Change Description	After Change Description	Test Site	ON Semiconductor, Cebu Philippines	ON Semiconductor, Cebu Philippines Amkor, Taiwan	Die Processing, Packing Site	ON Semiconductor, Cebu Philippines	ON Semiconductor, Cebu Philippines Amkor, Taiwan		From	To	Top Mark: Plant Code	ON Semiconductor, Cebu Philippines: D	ON Semiconductor, Cebu Philippines: D Amkor, Taiwan: J
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**Reliability Data Summary:**

RMS: 45330, F20150238, F20160821

PACKAGE: WLCSP

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1000 hrs	0/231
HTSL	JESD22-A103	Ta= 150°C	1000 hrs	0/231
TC	JESD22-A104	Ta= -40°C to +125°C	850 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		
SD	JSTD002	Ta = 245C, 10 sec		0/15

Electrical Characteristic 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
FSA4476UCX	FSA4476UCX