



## Initial Product/Process Change Notification

Document #: IPCN23733X

Issue Date: 22 Dec 2020

<b>Title of Change:</b>	New release ON Semiconductor Seremban as additional probe test and die sales site for FAN53870UC00X	
<b>Proposed First Ship date:</b>	29 Apr 2021 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:Thomas.Chen@onsemi.com">Thomas.Chen@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>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>	
<b>Marking of Parts/ Traceability of Change:</b>	From Tracecode in line2 XYZ, Onsemi Cebu Z = D, Onsemi Seremban Z = R	
<b>Change Category:</b>	Assembly Change	
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition	
<b>Sites Affected:</b>		
<b>ON Semiconductor Sites</b>	<b>External Foundry/Subcon Sites</b>	
ON Semiconductor Cebu, Philippines	None	
ON Semiconductor Seremban, Malaysia		
<b>Description and Purpose:</b>		
New release ON Semiconductor Seremban as additional for probe test and die sales site for FAN53870UC00X.		
There are no product material changes as a result of this change.		
	<b>From</b>	<b>To</b>
Product marking change	Assembly site code in line2 ON Semiconductor Cebu (Z=D)	Assembly site code in line2 ON Semiconductor Cebu (Z=D) ON Semiconductor Seremban (Z=R)

**Qualification Plan:**QV DEVICE NAME: FSA646UCXRMS: W53876PACKAGE: WLCSP 36 ball

Test	Specification	Condition	Interval
HTOL	JESD22-A108	Ta = _125°C, 100 % max rated Vcc	1008 hrs
HTSL	JESD22-A103	Ta = _150°C	1008 hrs
TC	JESD22-A104	Ta = -40°C to +125°C	850 cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020	MSL _1_ @ _260°C	
BS	AEC-Q100-010	C <sub>PK</sub> > 1.67	
SD	J-STD002	Ta = 245C, 5 sec	

Estimated date for qualification completion: 5 February 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
FAN53870UC00X	FSA646UCX