



Final Product/Process Change Notification

Document #:FPCN23733X

Issue Date:18 May 2021

Title of Change:	New release ON Semiconductor Seremban as additional probe test and die sales site for FAN53870UC00X
Proposed First Ship date:	25 Aug 2021 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Thomas.Chen@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.
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or Pete.Moberg@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
Marking of Parts/ Traceability of Change:	From Trace code in line2 XYZ, Onsemi Cebu Z = D, Onsemi Seremban Z = R
Change Category:	Assembly Change
Change Sub-Category(s):	Manufacturing Site Addition

Sites Affected:

ON Semiconductor Sites	External Foundry/Subcon Sites
ON Semiconductor Cebu, Philippines	None
ON Semiconductor Seremban, Malaysia	

Description and Purpose:

New release ON Semiconductor Seremban as additional for probe test and die sales site for FAN53870UC00X.

	Before Change Description	After Change Description
Probe test and Die sales Location	ON Semiconductor Cebu, Philippines	ON Semiconductor Cebu, Philippines ON Semiconductor Seremban, Malaysia

There are no product material changes as a result of this change.

Marking change complete the following table:

	From	To
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)

**Reliability Data Summary:**QV DEVICE NAME: FSA646UCXRMS: W53876PACKAGE: WLCSP 36 ball

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= _125°C, 100 % max rated Vcc	1008 hrs	0/231
HTSL	JESD22-A103	Ta= _150°C	1008 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	MSL _1_ @ _260°C		All pass
BS	AEC-Q100-010	CPK >1.67		0/15
SD	J-STD002	Ta = 245C, 5 sec		0/15

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
FAN53870UC00X	FSA646UCX