



Initial Product/Process Change Notification

Document #: IPCN24443X

Issue Date: 17 Dec 2021

Title of Change:	Additional probe test and DPS (Die Processing Services) site at subcon ASECL	
Proposed First Ship date:	17 Apr 2022 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Thomas.Chen@onsemi.com	
PCN Samples Contact:	Contact your local onsemi Sales Office. 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:	The affected products will be identified with date code	
Change Category:	Test Change, Assembly Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	ASECL, Taiwan (ChungLi)	
Description and Purpose:		
onsemi is qualifying additional probe test and DSP (Die processing Services) site at subcon ASECL.		
	Before Change Description	After Change Description
Probe test location	onsemi Cebu and onsemi Seremban	onsemi Cebu, onsemi Seremban, ASECL
DSP (Die processing Services) process location	onsemi Cebu and onsemi Seremban	onsemi Cebu, onsemi Seremban, ASECL
There are no product material changes as a result of this change		
There is no product marking change as a result of this change		



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Qualification Plan:

QV DEVICE NAME: FAN53870UC00X

RMS: 81636

PACKAGE: F001 | WLCSP20 SNGL HPBF

Test	Specification	Condition	Interval
HAST+ PC	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 100% of rated V or 100V max	96 hours
TC + PC	JESD22-A104	Temp = -40°C to +125°C; for 850 cycles	850 cyc
UHAST+ PC	JESD22-A118	Temp = 130C, RH=85%, ~18.8 psig	96 hours
SD	J SRD 002B	Ta=245C 10 sec dwell B102	5 units all balls

Estimated date for qualification completion: 28 February 2022

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	FAN53870UC00X