



Final Product/Process Change Notification

Document #:FPCN24443X

Issue Date:02 Jun 2022

Title of Change:	Additional probe test and DPS (Die Processing Services) site at subcon ASECL for FAN53870UC00X	
Proposed First Ship date:	07 Sep 2022 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Bobby.Wu@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.	
Additional Reliability Data:	Contact your local onsemi Sales Office or Aileen.Allado@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:	The affected products will be identified with date code	
Change Category:	Assembly Change, Test 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 DPS (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		
	From	To
Product marking change	Marking Pin1 dot size 150um	SBN/Cebu: Marking Pin1 dot size 150um
		ASECL: Marking Pin1 dot size 200um



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Reliability Data Summary:

QV DEVICE NAME: FAN53870UC00X

RMS: 81636

PACKAGE: F001 | WLCSP20 SNGL HPBF

Test	Specification	Condition	Interval	Result
HAST+ PC	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 100% of rated V or 100V max	96 hours	0/ 320
TC + PC	JESD22-A104	Temp = -40°C to +125°C; for 850 cycles	850 cyc	0/320
UHAST+ PC	JESD22-A118	Temp = 130C, RH=85%, ~18.8 psig	96 hours	0/ 320
SD	J SRD 002B	Ta=245C 10 sec dwell B102	5 units all balls	All Pass

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	FAN53870UC00X

Appendix A: Changed Products

PCN#: FPCN24443X
Issue Date: Jun 02, 2022

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FAN53870UC00X		FAN53870UC00X	NA	