



Final Product/Process Change Notification

Document #:FPCN23934X

Issue Date:04 Mar 2022

Title of Change:	Polyimide Second Source qual at ASEKH
Proposed First Ship date:	22 Jun 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.
Additional Reliability Data:	Contact your local onsemi 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. 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:	No change
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
None	ASEKH, Taiwan (Kaohsiung)

Description and Purpose:

To qualify 2nd polyimide source –BL401 , other materials are not changed.

	Before Change Description	After Change Description
Final Polyimide	HD4000E(HDM)	HD4000E(HDM) BL401(Asahi)

There is no product marking change.

Reliability Data Summary:

QV DEVICE NAME : FAN53870UC00X

RMS : 76842

PACKAGE: WLCSP

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/84
TC+PC	JESD22-A104	Temp = -40°C to +125°C; for 850 cycles	850 cyc	0/85
HAST+PC	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 100% of rated V or 100V max	96 hrs	0/85
uHAST+PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/85



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QV DEVICE NAME : **FPF3788UCX**

RMS : **76625**

PACKAGE: **WLCSP**

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/80
TC+PC	JESD22-A104	Temp = -40°C to +125°C; for 850 cycles	850 cyc	0/80
HAST+PC	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 100% of rated V or 100V max	96 hrs	0/90
uHAST+PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/80

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
SCY99231FCCT1G	FAN53870UC00X
SCY53713UC10X	FAN53870UC00X
FUSB302BUCX	FAN53870UC00X
FUSB251UCX	FAN53870UC00X
FTL75939UCX	FAN53870UC00X
FSUSB242UCX-Z002	FAN53870UC00X
FSUSB242UCX	FAN53870UC00X
FSA553UCX	FAN53870UC00X
FSA550UCX	FAN53870UC00X
FSA550BUCX	FAN53870UC00X
FPF3380UCX	FAN53870UC00X
FPF3188AUCX	FPF3788UCX
FPF3042UCX	FAN53870UC00X
FPF2895UCX	FAN53870UC00X
FPF2895CUCX	FAN53870UC00X
FPF2595UCX	FAN53870UC00X
FPF2496UCX	FAN53870UC00X
FPF2495UCX	FAN53870UC00X
FPF2495CUCX	FAN53870UC00X
FPF2286UCX	FAN53870UC00X



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FPF2283CUCX	FAN53870UC00X
FPF2281BUCX-F130	FAN53870UC00X
FPF2280BUCX-F130	FAN53870UC00X
FPF2195UCX-SN00331	FAN53870UC00X
FPF2195	FAN53870UC00X
FPF1504UCX	FAN53870UC00X
FPF1504LUCX	FAN53870UC00X
FPF1321UCX	FAN53870UC00X
FPF1321BUCX	FAN53870UC00X
FPF1320UCX	FAN53870UC00X
FPF1203UCX	FAN53870UC00X
FPF1203LUCX	FAN53870UC00X
FFG1040UC003X	FAN53870UC00X
FAN54063UCX	FAN53870UC00X
FAN53870UC00X	FAN53870UC00X
FAN53742UC00X	FAN53870UC00X
FAN53740UCA1X	FAN53870UC00X
FAN5361UC182X	FAN53870UC00X
FAN53611AUC18X	FAN53870UC00X
FAN53611AUC12X	FAN53870UC00X
FAN53610AUC33X	FAN53870UC00X
FAN53600AUC33X	FAN53870UC00X
FAN53555UC04X	FAN53870UC00X
FAN53555BUC79X	FAN53870UC00X
FAN53526UC89X	FAN53870UC00X
FAN53526UC84X	FAN53870UC00X
FAN53526UC64X	FAN53870UC00X
FAN53526UC288X	FAN53870UC00X
FAN53526UC168X	FAN53870UC00X
FAN53526UC128X	FAN53870UC00X
FAN53526UC106X	FAN53870UC00X
FAN53526UC00X	FAN53870UC00X
FAN53526UC00SX	FAN53870UC00X
FAN53200UC44X	FAN53870UC00X



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FAN49103AUC340X	FAN53870UC00X
FAN38522UCX	FAN53870UC00X
FAN48618BUC53X	FAN53870UC00X
FAN4861UC55X	FAN53870UC00X
FAN48623UC50GX	FAN53870UC00X
FAN48623UC50X	FAN53870UC00X
FAN48630BUC31JX	FAN53870UC00X
FAN48630UC315X	FAN53870UC00X
FAN48630UC33X	FAN53870UC00X
FAN48630UC50X	FAN53870UC00X
FAN48632UC33X	FAN53870UC00X
FAN48632UC35X	FAN53870UC00X
FAN49100AUC330X	FAN53870UC00X
FAN49100AUC360X	FAN53870UC00X
FAN49101AUC340X	FAN53870UC00X
FAN49103AUC330X	FAN53870UC00X