



Final Product/Process Change Notification

Document #: FPCN24624X3

Issue Date: 15 Feb 2023

Title of Change:	Update to FPCN24624X3 – To clarify announced change is dual sourcing from ATEC and HANA instead of a transfer.
Proposed First Ship date:	12 May 2023 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Seok-Ho.Choi@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 Chielo.Basa@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:	Product marked with "H" as assembly location is built in HANA, Thailand. No change of assembly location mark from ATEC.
Change Category:	Test Change, Assembly Change
Change Sub-Category(s):	Manufacturing Site Addition

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
None	ATEC - Automated Technology, Philippines
	HANA Semiconductor, Thailand

Description and Purpose:

Original FPCN24624X was initially issued announcing the transfer of parts from ATEC to HANA, this update notification wishes to clarify that HANA Semiconductor Thailand is actually being qualified as an additional site to the parts listed in this notification.

At the expiry of this notification, the part numbers listed may be assembled both in ATEC, Philippine and in HANA Semiconductor, Thailand and there will be material differences as outlined in the table.

	Before	After	
Assembly Site	ATEC	ATEC	HANA
Final Test Site	ATEC	ATEC	HANA
Lead Frame	LF SOIC 16L CuAg	LF SOIC 16L CuAg	94x150 CuAg DRing BOT
Die Attach	EPOXY HE 841LMISR4 CON	EPOXY HE 841LMISR4 CON	EN4900LC-18
Mold Compound	MC COOKSON AMC2P 13MM X 3.9G	MC COOKSON AMC2P 13MM X 3.9G	CV8214C
Wire	AU 0.9 / 1 MILS	AU 0.9 / 1 MILS	AU 0.9 / 1 MILS

Reliability Data Summary:

QV DEVICE NAME: FAN9611MX

RMS: K81558; O85595

PACKAGE: SOIC 16

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 130°C, 100 % max rated Vcc	1008 hrs	0/240
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/240
TC	JESD22-A104	Ta= -55°C to + 150°C	1000 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC, uHAST, HAST for surface mount pkgs only		0/720
PD	JESD22-B100 and JESD22-B108	Per Case Outline		0/30
SD	JSTD002	Ta = 245C, 5 sec		0/ 15

QV DEVICE NAME: FIN1031MX

RMS: O82308

PACKAGE: SOIC 16

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta= 125°C, 100 % max rated Vcc	1008 hrs	0/240
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/240
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC, uHAST, HAST for surface mount pkgs only		0/720
PD	JESD22-B100 and JESD22-B108	Per Case Outline		0/30
SD	JSTD002	Ta = 245C, 5 sec		0/ 15

Electrical Characteristics Summary:

Electrical characteristics are not impacted.



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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
FAN9611MX	FAN9611MX
FIN1048MX	FIN1031MX
FIN1047MX	FIN1031MX
FIN1031MX	FIN1031MX