



Final Product/Process Change Notification

Document #:FPCN23272XA

Issue Date:04 Dec 2020

Title of Change:	Change of Epoxy Material due to Supplier Discontinuance in Automated Technology, Philippines (ATEC).
Proposed First Ship date:	11 Mar 2021 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Lydia.Pak@onsemi.com for FAN7631, Jeremy.Ferris@onsemi.com for FIN1031
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 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. 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:	None
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change

Sites Affected:**ON Semiconductor Sites**

None

External Foundry/Subcon Sites

ATEC - Automated Technology, Philippines

Description and Purpose:

As previously noted in IPCN23272X, due to the end of life of Hitachi Poly-6 die attach, the products listed in this FPCN have been qualified with a new die attach as listed here:

	Before Change Description	After Change Description
Die Attach	HITACHI Poly 6	Ablestik 84-1 LMIS-R4

No other changes have been made to the devices.

Reliability Data Summary:

QV DEVICE NAME : FIN1031MX

RMS : O68694

PACKAGE : SOIC 16

Test	Specification	Condition	Interval	Result
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/240
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/80
HTSL	JESD22-A103	Ta=150°C	1008 hrs	0/80
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	0/80
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/400



QV DEVICE NAME : FAN7631SJX

RMS : K68689

PACKAGE : SOP 16

Test	Specification	Condition	Interval	Result
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/240
TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/80
HTSL	JESD22-A103	Ta=150°C	1008 hrs	0/80
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	0/80
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/400

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
FIN1048MX	FIN1031MX
FIN1047MX	FIN1031MX
FIN1031MX	FIN1031MX
FST3257MX	FIN1031MX
FAN7621SSJX	FAN7631SJX
FAN7621BSJX	FAN7631SJX
FAN7621SJX	FAN7631SJX
FAN7631SJX	FAN7631SJX