



# Final Product/Process Change Notification

Document #:FPCN24930X

Issue Date:06 Jan 2023

<b>Title of Change:</b>	Qualification of Alternate lead frame supplier for QFN/DFN package in HANA to improve assembly loading flexibility.
<b>Proposed First Ship date:</b>	13 Apr 2023 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Manny.Meer@onsemi.com">Manny.Meer@onsemi.com</a>
<b>PCN Samples Contact:</b>	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.
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Lalan.Ortega@onsemi.com">Lalan.Ortega@onsemi.com</a>
<b>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>
<b>Marking of Parts/ Traceability of Change:</b>	Change will be identifiable by lot# that will be using the alternate new lead frame
<b>Change Category:</b>	Assembly Change
<b>Change Sub-Category(s):</b>	Material Change

**Sites Affected:**

**onsemi Sites**

None

**External Foundry/Subcon Sites**

HANA Semiconductor, Thailand

**Description and Purpose:**

Qualification of alternate leadframe supplier in HANA for QFN/DFN packages to improve productivity. This will allow product flexibility with regards to assembly production support depending on leadframe availability as a result of dual source leadframe supplier.

	From	To
LeadFrame	Single source Lead frame supplier  (Supplier A- PPF leadframe) Ni : 20-80 u" Pd : 0.4-4 u" Au : 0.12-0.36 u"	Dual source Lead frame supplier  (Supplier A – PPF leadframe) Ni : 20-80 u" Pd : 0.4-4 u" Au : 0.12-0.36 u"  (Alternate Supplier- PPF leadframe) Ni : 10-50 u" Pd : 0.2-0.8 u" Au-Ag : 0.2-2.5 u"

There is no product marking change as a result of this change.



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## Reliability Data Summary:

QV DEVICE NAME : FXWA9306L8X / FSA2275UMX / FAN3988IL6X

RMS : O84667 / O84670 / O84681 / O84682

PACKAGE : QFN-8 & 12 / DFN-8 & 6

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/80
PC	J-STD-020A, JESD22-A113	MSL 1 @ 260°C	-	0/240
TC	JESD22-A104	Ta= -65°C to +150°C	500 cycles	0/80
UHAST	JESD22-A118	Temp=130°C, 85% RH	96 hrs	0/80
SD	J STD 002	Ta=245C 5sec	-	0/22
PD	JESD22-B100B	POD, Case outline	-	0/30

## 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
FAN156L6X	FAN3988IL6X
FAN5624UMPX	FSA2275UMX / FXWA9306L8X
FSA1257L8X	FSA2275UMX / FXWA9306L8X
FSA2275AUMX	FSA2275UMX / FXWA9306L8X
FSA2275UMX	FSA2275UMX / FXWA9306L8X
FSA2276UMX	FSA2275UMX / FXWA9306L8X
FSA2567UMX	FSA2275UMX / FXWA9306L8X
FSA266L8X	FSA2275UMX / FXWA9306L8X
FSA3357L8X	FSA2275UMX / FXWA9306L8X
FSA5157L6X	FAN3988IL6X
FUSB252UMX	FSA2275UMX / FXWA9306L8X
NC7WB66L8X	FSA2275UMX / FXWA9306L8X
FXL2T245L10X	FSA2275UMX / FXWA9306L8X
FXL2TD245L10X	FSA2275UMX / FXWA9306L8X
NC7WZ86L8X	FSA2275UMX / FXWA9306L8X
NC7SP08L6X	FAN3988IL6X
FXWA9306L8X	FSA2275UMX / FXWA9306L8X
FXMAR2104UMX	FSA2275UMX / FXWA9306L8X



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FXMAR2102UMX	FSA2275UMX / FXWA9306L8X
FXMAR2102L8X	FSA2275UMX / FXWA9306L8X
FXMA2104UMX	FSA2275UMX / FXWA9306L8X
FXMA2102UMX	FSA2275UMX / FXWA9306L8X
FXMA2102L8X	FSA2275UMX / FXWA9306L8X
FXLP34L6X	FAN3988IL6X
FXLH1T45L6X	FAN3988IL6X
FXLA104UMX	FSA2275UMX / FXWA9306L8X
FXLA104UM12X	FSA2275UMX / FXWA9306L8X
FXLA102L8X	FSA2275UMX / FXWA9306L8X
FXLA101L6X	FAN3988IL6X
FXL4TD245UMX	FSA2275UMX / FXWA9306L8X

**Appendix A: Changed Products**

**PCN#: FPCN24930X**  
**Issue Date: Jan 06, 2023**

DIKG: DIGI-KEY (page 2 of 2)

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FXLP34L6X		FAN3988IL6X	NA	
FXLA104UMX		FSA2275UMX / FXWA9306L8X	NA	
FXLH1T45L6X		FAN3988IL6X	NA	
FXLA102L8X		FSA2275UMX / FXWA9306L8X	NA	
FXLA104UM12X		FSA2275UMX / FXWA9306L8X	NA	
FXL4TD245UMX		FSA2275UMX / FXWA9306L8X	NA	
FXLA101L6X		FAN3988IL6X	NA	