



Initial Product/Process Change Notification

Document #: IPCN24930X

Issue Date: 29 Sep 2022

Title of Change:	Qualification of Alternate lead frame supplier for QFN/DFN package in HANA to improve assembly loading flexibility.
Proposed First Ship date:	05 Jan 2023 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Manny.Meer@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.
Type of Notification:	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact < PCN.Support@onsemi.com >
Marking of Parts/ Traceability of Change:	Change will be identifiable by lot# that will be using the alternate new lead frame
Change Category:	Assembly Change
Change Sub-Category(s):	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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Qualification Plan:

QV DEVICE NAME : FXWA9306L8X / FSA2275UMX / FAN3988IL6X / 74AUP1G97FHX

RMS : O84667 / O84670 / O84681 / O84682

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

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

Estimated date for qualification completion: 31 December 2022

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
74AUP1G57L6X	FAN3988IL6X
74AUP1G97FHX	74AUP1G97FHX
74AUP1T97FHX	74AUP1G97FHX
74AUP1T97L6X	FAN3988IL6X
FAN156L6X	FAN3988IL6X
FAN3988IL6X	FAN3988IL6X
FAN3988IL6X-F113	FAN3988IL6X
FAN4010IL6X	FAN3988IL6X
FAN4010IL6X-F113	FAN3988IL6X
FAN5624UMPX	FSA2275UMX
FAN5626LX	FSA2275UMX
FMS6151L6X	FAN3988IL6X
FSA1156L6X	FAN3988IL6X
FSA1256AL8X	FSA2275UMX
FSA1256L8X	FSA2275UMX
FSA1257AL8X	FSA2275UMX
FSA1257L8X	FSA2275UMX
FSA221L10X	FSA2275UMX
FSA221UMX	FSA2275UMX



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FSA2258L10X	FSA2275UMX
FSA2267AL10X	FSA2275UMX
FSA2267L10X	FSA2275UMX
FSA2268L10X	FSA2275UMX
FSA2268UMX	FSA2275UMX
FSA2269L10X	FSA2275UMX
FSA2269UMX	FSA2275UMX
FSA2275AUMX	FSA2275UMX
FSA2275UMX	FSA2275UMX
FSA2276UMX	FSA2275UMX
FSA2457UMX	FSA2275UMX
FSA2466UMX	FSA2275UMX
FSA2567UMX	FSA2275UMX
FSA266L8X	FSA2275UMX
FSA3000L10X	FSA2275UMX
FSA3031UMX	FSA2275UMX
FSA3357L8X	FSA2275UMX
FSA4157AL6X	FAN3988IL6X
FSA4159L6X	FAN3988IL6X
FSA5157L6X	FAN3988IL6X
FSA8008AUMX	FSA2275UMX
FSA806UMX	FSA2275UMX
FSUSB104UMX	FSA2275UMX
FSUSB30L10X	FSA2275UMX
FSUSB30UMX	FSA2275UMX
FSUSB31L8X	FSA2275UMX
FSUSB40L10X	FSA2275UMX
FSUSB42UMX-F106	FSA2275UMX
FSUSB43L10X	FSA2275UMX
FSUSB63UMX	FSA2275UMX
FSUSB73UMX	FSA2275UMX
FT10001L6X	FAN3988IL6X
FT3001UMX	FSA2275UMX
FT7521L6X	FAN3988IL6X



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FT7522L6X	FAN3988IL6X
FUSB252UMX	FSA2275UMX
FXL2T245L10X	FSA2275UMX
FXL2TD245L10X	FSA2275UMX
FXL4TD245UMX	FSA2275UMX
FXLA101L6X	FAN3988IL6X
FXLA102L8X	FSA2275UMX
FXLA104UM12X	FSA2275UMX
FXLA104UMX	FSA2275UMX
FXLH1T45L6X	FAN3988IL6X
FXLP34L6X	FAN3988IL6X
FXMA2102L8X	FSA2275UMX
FXMA2102UMX	FSA2275UMX
FXMA2104UMX	FSA2275UMX
NC7WZ86L8X	FSA2275UMX
NC7WZ17L6X-L22175	FAN3988IL6X
NC7WP08L8X	FSA2275UMX
NC7WB66L8X	FSA2275UMX
NC7SV74L8X	FSA2275UMX
NC7SV58L6X	FAN3988IL6X
NC7SV32L6X	FAN3988IL6X
NC7SV04L6X	FAN3988IL6X
NC7SP74L8X	FSA2275UMX
NC7SP17L6X	FAN3988IL6X
NC7SP126L6X	FAN3988IL6X
NC7SP08L6X	FAN3988IL6X
FXWA9306L8X	FSA2275UMX
FXMAR2104UMX	FSA2275UMX
FXMAR2102UMX	FSA2275UMX
FXMAR2102L8X	FSA2275UMX

Appendix A: Changed Products

DIKG: DIGI-KEY (page 1 of 2)

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FAN156L6X		FAN3988IL6X	NA	
FAN4010IL6X		FAN3988IL6X	NA	
FAN4010IL6X-F113		FAN3988IL6X	NA	
FAN5624UMPX		FSA2275UMX	NA	
FAN5626LX		FSA2275UMX	NA	
FMS6151L6X		FAN3988IL6X	NA	
FSA1256AL8X		FSA2275UMX	NA	
FSA1256L8X		FSA2275UMX	NA	
FSA1257AL8X		FSA2275UMX	NA	
FSA1257L8X		FSA2275UMX	NA	
FSA2258L10X		FSA2275UMX	NA	
FSA2267AL10X		FSA2275UMX	NA	
FSA2267L10X		FSA2275UMX	NA	
FSA2268L10X		FSA2275UMX	NA	
FSA2268UMX		FSA2275UMX	NA	
FSA2269L10X		FSA2275UMX	NA	
FSA2269UMX		FSA2275UMX	NA	
FSA2275AUMX		FSA2275UMX	NA	
FSA2275UMX		FSA2275UMX	NA	
FSA2276UMX		FSA2275UMX	NA	
FSA2457UMX		FSA2275UMX	NA	
FSA2466UMX		FSA2275UMX	NA	
FSA2567UMX		FSA2275UMX	NA	
FSA266L8X		FSA2275UMX	NA	
FSA3000L10X		FSA2275UMX	NA	
FSA3031UMX		FSA2275UMX	NA	
FSA4157AL6X		FAN3988IL6X	NA	
FSA4159L6X		FAN3988IL6X	NA	
FSA5157L6X		FAN3988IL6X	NA	
FSUSB104UMX		FSA2275UMX	NA	
FSUSB30L10X		FSA2275UMX	NA	
FSUSB30UMX		FSA2275UMX	NA	
FSUSB31L8X		FSA2275UMX	NA	
FSUSB43L10X		FSA2275UMX	NA	
FSUSB63UMX		FSA2275UMX	NA	
FSUSB73UMX		FSA2275UMX	NA	
FT10001L6X		FAN3988IL6X	NA	
FT7521L6X		FAN3988IL6X	NA	
FT7522L6X		FAN3988IL6X	NA	
FUSB252UMX		FSA2275UMX	NA	
FXL2T245L10X		FSA2275UMX	NA	
FAN3988IL6X-F113		FAN3988IL6X	NA	
FXL4TD245UMX		FSA2275UMX	NA	
FXL2TD245L10X		FSA2275UMX	NA	
FXLA101L6X		FAN3988IL6X	NA	
FXLA104UM12X		FSA2275UMX	NA	
FXLA102L8X		FSA2275UMX	NA	
FXLA104UMX		FSA2275UMX	NA	
FXLP34L6X		FAN3988IL6X	NA	
FXLH1T45L6X		FAN3988IL6X	NA	
FXMA2102L8X		FSA2275UMX	NA	
FXMA2104UMX		FSA2275UMX	NA	
FXMA2102UMX		FSA2275UMX	NA	
NC7WZ86L8X		FSA2275UMX	NA	
NC7WB66L8X		FSA2275UMX	NA	
NC7WP08L8X		FSA2275UMX	NA	
NC7SV32L6X		FAN3988IL6X	NA	
NC7SV74L8X		FSA2275UMX	NA	
NC7SV04L6X		FAN3988IL6X	NA	
NC7SP17L6X		FAN3988IL6X	NA	

Appendix A: Changed Products

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DIKG: DIGI-KEY (page 2 of 2)

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NC7SP74L8X		FSA2275UMX	NA	
NC7SP08L6X		FAN3988IL6X	NA	
NC7SP126L6X		FAN3988IL6X	NA	
FXMAR2104UMX		FSA2275UMX	NA	
FXWA9306L8X		FSA2275UMX	NA	
FXMAR2102L8X		FSA2275UMX	NA	
FXMAR2102UMX		FSA2275UMX	NA	

Appendix A: Changed Products

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MRHO: MAR-HINO SA

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FSA3000L10X		FSA2275UMX	NA	