



Final Product/Process Change Notification

Document #:FPCN24930XB

Issue Date:07 Oct 2024

Title of Change:	Qualification of Alternate lead frame supplier for QFN/DFN package in HANA to improve assembly loading flexibility
Proposed First Ship date:	14 Jan 2025 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Allan.SetoLam@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 Lalan.Ortega@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:	Change material can be identified by lot code.
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change
Sites Affected:	
onsemi Sites	External Foundry/Subcon Sites
None	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 : FSA2275UMX

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
FSUSB43L10X	FSA2275UMX