



Initial Product/Process Change Notification

Document #: IPCN23620X

Issue Date: 09 Dec 2020

Title of Change:	PMLF Package Enhancement with Edge Protection Technology (EPT)
Proposed First Ship date:	01 Jan 2022 or earlier if approved by customer
Contact Information:	Contact your local ON Semiconductor Sales Office or Elena.Nazyrova@onsemi.com
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.
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:	Marking of Parts / Traceability of Change
Change Category:	Assembly Change
Change Sub-Category(s):	Manufacturing Process Change

Sites Affected:**ON Semiconductor Sites**

None

External Foundry/Subcon Sites

ATP1 - Amkor Technology Philippines P1

Description and Purpose:

Package Design enhancement with Edge Protection Technology (EPT) for PMLF. Additional molding on the flange area from 0.20 to 0.30 A3 area (0.20A3+0.10 EPT @ Flange area = 0.30 total).

	Before Change Description	After Change Description
Other Changes	Flange area from 0.20 (A3)	Flange area 0.30 (A3)

	From	To
Product marking change	TBD	TBD

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

**Qualification Plan:**

QV DEVICE NAME: 20217-006-ASY

RMS: 73672

PACKAGE: QFN 6X6 48L

Test	Specification	Condition	Interval
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C	
RSH	JESD22- B106	Ta = 265C, 10 sec	
SD	JSTD002	Ta = 245C, 5 sec	

QV DEVICE NAME: 21009-001-ASY

RMS: Qual Assembly and Test in-progress

PACKAGE: QFN 12x12 108L 8.0SQ

Test	Specification	Condition	Interval
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C	
RSH	JESD22- B106	Ta = 265C, 10 sec	
SD	JSTD002	Ta = 245C, 5 sec	

QV DEVICE NAME: 21010-001-ASY

RMS: Qual Assembly and Test in-progress

PACKAGE: QFN 7x7 32L 5.3SQ

Test	Specification	Condition	Interval
TC	JESD22-A104	Ta = -65°C to +150°C	1000 cyc
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C	
RSH	JESD22- B106	Ta = 265C, 10 sec	
SD	JSTD002	Ta = 245C, 5 sec	

Estimated date for qualification completion: 30 September 2021

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
AMIS-49250-XTP	NA