

<b>Title of Change:</b>	Qualifying additional Assembly and Test site at UTAC Thailand
<b>Proposed First Ship date:</b>	12 May 2022 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Ravi.Savanur@onsemi.com">Ravi.Savanur@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>Type of Notification:</b>	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 < <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> >
<b>Marking of Parts/ Traceability of Change:</b>	Marking will have site traceability
<b>Change Category:</b>	Test Change, Assembly Change
<b>Change Sub-Category(s):</b>	Manufacturing Site Addition

## Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
None	UTAC, Thailand

## Description and Purpose:

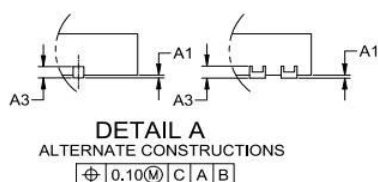
Adding additional Assembly and Test capacity to FDMF5075, FDMF5076, FDMF5175, FDMF5176, FDMF6187, FDMF3002 product at UTAC Thailand  
There are no product material changes as a result of this change

	Before Change Description	After Change Description
Assembly Site	onsemi Cebu, Philippines	onsemi Cebu, Philippines and UTAC

	From	To
Product marking change	Identified by plant code	Identified by plant code

There is a slight change in Leads visible on the side of package, which does not affect product performance.

Left side is Cebu, right side is UTAC





## Initial Product/Process Change Notification

Document #: IPCN24369X

Issue Date: 10 Dec 2021

### Qualification Plan:

QV DEVICE NAME: FDMF5176

RMS: 80586, 80697

PACKAGE: PQFN24 CU 3DIE HPBF

Test	Specification	Condition	Interval
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs
HTSL	JESD22-A103	Ta= 150°C	1008 hrs
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020 JESD-A113	MSL1 @ 260 °C	
RSH	JESD22- B106	Ta = 265C, 10 sec	
SD	JSTD002	Ta = 245C, 5 sec	

Estimated date for qualification completion: 11 February 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
FDMF5176	N/A
FDMF5175	N/A
FDMF5076	N/A
FDMF5075	FDMF5176