



Initial Product/Process Change Notification

Document #: IPCN23297X

Issue Date: 30 Apr 2020

Title of Change:	Qualifying UTL Thailand as additional Assembly and Test site for SPS3 Products (5x6 PQFN)	
Proposed First Ship date:	30 Sep 2020 or earlier if approved by customer	
Contact Information:	Contact your local ON Semiconductor Sales Office or Ravi.Savanur@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 will have traceability to Assembly and Test location	
Change Category:	Assembly Change, Test Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
ON Semiconductor Sites	External Foundry/Subcon Sites	
None	UTAC, Thailand	
Description and Purpose:		
<p>To increase capacity, ON Semiconductor is informing customers that UTAC Thailand is being qualified as additional Assembly and Test site for all SPS3 (5x6 PQFN) parts currently being assembled and tested in ON Semiconductor Cebu and ASEM.</p> <p>Upon the expiration of the PCN, Parts will be manufactured in all 3 sites.</p>		
	Before Change Description	After Change Description
Assembly and Test Site	ON Semiconductor Cebu and ASEM	ON Semiconductor Cebu, ASEM & UTAC
<p>There are no product material changes as a result of this change.</p> <p>There is no product marking change as a result of this change.</p> <p>The marking will have Assembly and Test site information encoded.</p>		

**Qualification Plan:**

QV DEVICE NAME: FDMF3009

RMS: 62702 / 62703

PACKAGE: PQFN 5x6

Test	Specification	Condition	Interval
HTOL	JESD22-A108	Ta=125C, biased	1008 hours
HTSL	JESD22-A103	Ta= 150°C	1008 hours
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, biased	192 hours
TC	JESD22-A104	Ta= -65°C to +150°C	1000 Cyc
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, no biased	96 hours
PC	J-STD-020 JESD-A113	MSL _1_ @ 260 °C	
RSH	JESD22- B106	Ta = 260C, 10 sec	

Estimated date for qualification completion: 30 April 2020

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
FDMF3170	FDMF3009
FDMF3172	FDMF3009
FDMF3180	FDMF3009
FDMF3160	FDMF3009