



Final Product/Process Change Notification

Document #:FPCN23297X

Issue Date:22 Sep 2020

Title of Change:	Qualifying UTL Thailand as additional Assembly and Test site for SPS3 Products (5x6 PQFN)	
Proposed First Ship date:	28 Jan 2021 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.	
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or KarenMae.Taping@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. ON Semiconductor 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:	Marking will have traceability to Assembly and Test location	
Change Category:	Test Change, Assembly Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
ON Semiconductor Sites	External Foundry/Subcon Sites	
None	UTAC, Thailand	
Description and Purpose:		
To increase capacity, UTAC is being qualified for Assembly and Test for SPS3 Products listed in this Document. There is no product material changes as a result of this change		
	Before Change Description	After Change Description
Assembly Site	ON, Cebu, Philippines ASEM, Penang, Malaysia	ON, Cebu, Philippines ASEM, Penang, Malaysia UTAC, Bangkok, Thailand
	From	To
Product marking change	Plant Codes: D: ON, Cebu, Philippines AL: ASEM, Penang, Malaysia	Plant Codes: D: ON, Cebu, Philippines AL: ASEM, Penang, Malaysia G: UTAC, Bangkok, Thailand

**Reliability Data Summary:**

QV DEVICE NAME: FDMF3009

RMS: F62703 & W62702

PACKAGE: PQFN39 CU 3DIE HPBF

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/231
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020 JESD-A113	MSL-1 @ 260°C		0/693
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

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
FDMF3180	FDMF3009
FDMF3170	FDMF3009
FDMF3172	FDMF3009
FDMF3160	FDMF3009