



Final Product/Process Change Notification

Document #:FPCN24776X

Issue Date:30 Mar 2023

Title of Change:	Qualify ASEM as additional assembly and Test site for FDMF5071 family of products	
Proposed First Ship date:	10 Jul 2023 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Ravi.Savanur@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 Aileen.Allado@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:	marking will have site information for traceability	
Change Category:	Assembly Change, Test Change	
Change Sub-Category(s):	Manufacturing Site Addition	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	ASEM, Malaysia	
Description and Purpose:		
This Final notification is to announce that onsemi is qualifying ASEM as an additional assembly and test site for the FDMC5071 family of products. There will be no changes to the BOM as a result of this change.		
	From	To
Assembly and Test Site	UTL / CEBU	UTL/CEBU/ASEM
There are no product material changes as a result of this change		
There is no product marking change as a result of this change		



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Reliability Data Summary:

QV DEVICE NAME: FDMF5071

RMS: F82442

PACKAGE: F132 | PQFN39 CU 3DIE HPBF MCM

Test	Specification	Condition	Interval	Results
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only		0/693
Temperature Cycling	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
Resistance to Solder Heat	JESD22- B106	Ta = 265°C, 10 sec Required for through hole devices only		0/30
Solderability	JSTD002	Ta = 245°C, 5 sec		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
FDMF5062	FDMF5071
FDMF5071	FDMF5071