



Initial Product/Process Change Notification

Document #: IPCN24900X

Issue Date: 29 Sep 2022

Title of Change:	PQFN 5X6 Test/Pack enablement at ASEM as additional site using Accotest test platform
Proposed First Ship date:	06 Feb 2023 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or CheePin.Tay@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.
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:	Affected parts will be identified with a cut-off date code
Change Category:	Test Change
Change Sub-Category(s):	Manufacturing Site Addition

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
None	ASEM, Malaysia

Description and Purpose:

The purpose of this change is to expand/improve the Test capacity & shorten the cycle time for PQFN 5X6 products by qualifying Test/Pack at ASEM as additional site besides CEBU. In addition, this will also help in loading flexibility between CEBU & ASEM.

At the end of qualification cycle, if test qualification passed & FPCN approved by the customers, ASEM will have a full turnkey flow for PQFN 5X6 products.

	Before Change	EDENCE
Test & Pack Site	Cebu, Philippines	Cebu, Philippines ASEM, Malaysia
Tester Platform	CREDENCE ASL-1K (Cebu)	CREDENCE ASL-1K (Cebu) ACCOTEST STS8200 (ASEM)

There is no change in product, build of material, assembly process, test coverage, datasheet & product marking as a result of this change and it will not affect the form, fit & function of the products.

Qualification Plan:

- Product reliability qualification is not required as this is for Test site addition. All the products listed in this IPCN are existing qualify products at ASEM Assembly. There is no change in product, build of material & assembly process.
- Below is the Test qualification item which will be carried out at ASEM.

Test
1. Qual lot test yield assessment
2. Cross correlation – Correlation study & GR&R
3. Electrical distribution for key parameter
4. Reject bin failure analysis (if SBL fail)
5. Electrical QA sampling monitoring
6. Visual inspection (AOI)
7. Handler buyoff, spike check & bin sort check

Estimated date for qualification completion: 21 October 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
NTMFD1D1N02X	NTMFD001N03P9
NTMFD001N03P9	NTMFD001N03P9
NTMFD2D4N03P8	NTMFD001N03P9
NTMFD1D6N03P8	NTMFD001N03P9
FDPC8016S-B801	NTMFD001N03P9
FDPC8016S	NTMFD001N03P9
FDPC5030SG	NTMFD001N03P9
FDPC5018SG	NTMFD001N03P9

Appendix A: Changed Products

PCN#: IPCN24900X
Issue Date: Sep 29, 2022

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
FDPC5018SG		NTMFD001N03P9		
FDPC8016S		NTMFD001N03P9		
FDPC5030SG		NTMFD001N03P9		