



Initial Product/Process Change Notification

Document #: IPCN24731X

Issue Date: 26 May 2022

Title of Change:	Qualification of alternate die attach epoxy (2025DSI) for SPS55 and SPS56 package in ASE Malaysia	
Proposed First Ship date:	01 Oct 2022 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Polen.Pitpit@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:	The affected products will be identified with datecode marking	
Change Category:	Assembly Change	
Change Sub-Category(s):	Material Change	
Sites Affected:		
onsemi Sites	External Foundry/Subcon Sites	
None	ASEM, Malaysia	
Description and Purpose:		
	From	To
Die Attach	Henkel QMI536NB	Henkel Ablebond 2025DSI & Henkel QMI536NB
There is no product marking change as a result of this change		
Note: We will be requesting immediate FPCN approval later after qual completion		



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Qualification Plan:

QV DEVICE NAME: FDMF3005

PACKAGE: PQFN39 CU 3DIE HPBF

Test	Specification	Condition	Interval
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	MSL 1 @ 260 °C	

Estimated date for qualification completion: 30 June 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
NCP253171MNTXG	FDMF3005
NCP303152MNTWG	FDMF3005
NCP303160MNTWG	FDMF3005
NCP303151MNTWG	FDMF3005
NCP303150MNTWG	FDMF3005
NCP303151AMNTWG	FDMF3005
NCP302155MNTWG	FDMF3005
NCP302155AMNTWG	FDMF3005
NCP302155HMNTWG	FDMF3005
SCP302155MNTWG	FDMF3005
NCP302045MNTWG	FDMF3005
NCP302045HMNTWG	FDMF3005
NCP302045DMNTWG	FDMF3005
NCP302150MNTWG	FDMF3005
FDMF3035	FDMF3005
SCP302045MNTWG	FDMF3005
FDMF3037	FDMF3005