



## Final Product/Process Change Notification

Document #:FPCN24731X

Issue Date: 25 Jul 2022

<b>Title of Change:</b>	Qualification of alternate die attach epoxy (2025DSI) for SPS55 and SPS56 package in ASE Malaysia.			
<b>Proposed First Ship date:</b>	01 Nov 2022 or earlier if approved by customer			
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Polen.Pitpit@onsemi.com">Polen.Pitpit@onsemi.com</a>			
<b>PCN Samples Contact:</b>	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.			
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:Tara.McDonald@onsemi.com">Tara.McDonald@onsemi.com</a>			
<b>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>			
<b>Marking of Parts/ Traceability of Change:</b>	The affected products will be identified with datecode marking			
<b>Change Category:</b>	Assembly Change			
<b>Change Sub-Category(s):</b>	Material Change			
<b>Sites Affected:</b>				
<b>onsemi Sites</b>		<b>External Foundry/Subcon Sites</b>		
None		ASEM, Malaysia		
<b>Description and Purpose:</b>				
	<b>From</b>	<b>To</b>		
<b>Die Attach</b>	Henkel QMI536NB	Henkel Ablebond 2025DSI & Henkel QMI536NB		
There is no product marking change as a result of this change.				
<b>Reliability Data Summary:</b>				
QV DEVICE NAME: FDMF3005				
RMS:				
PACKAGE: PQFN39 CU 3DIE HPBF				
<b>Test</b>	<b>Specification</b>	<b>Condition</b>	<b>Interval</b>	<b>Results</b>
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/231
TC-PC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	0/231
UHAST-PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231



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### 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
NCP302045MNTWG	FDMF3005
NCP302045HMNTWG	FDMF3005
NCP302045DMNTWG	FDMF3005
NCP302150MNTWG	FDMF3005
FDMF3035	FDMF3005
SCP302045MNTWG	FDMF3005
FDMF3037	FDMF3005
SCP302155MNTWG	FDMF3005
NCP302155HMNTWG	FDMF3005
NCP302155AMNTWG	FDMF3005
NCP302155MNTWG	FDMF3005
NCP303151AMNTWG	FDMF3005
NCP303150MNTWG	FDMF3005
NCP303151MNTWG	FDMF3005
NCP303160MNTWG	FDMF3005
NCP303152MNTWG	FDMF3005
NCP253171MNTXG	FDMF3005