



Final Product/Process Change Notification
Document #: FPCN24873X
Issue Date: 17 Nov 2022

Title of Change:	Qualification of alternate die attach epoxy (2025DSI) for SPS Packages at onsemi Cebu, Philippines.																						
Proposed First Ship date:	24 Feb 2023 or earlier if approved by customer																						
Contact Information:	Contact your local onsemi Sales Office or Peter.Vo@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 Phine.Guevarra@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:	Affected parts can be identified by the Traceability Code marking.																						
Change Category:	Assembly Change																						
Change Sub-Category(s):	Material Change																						
Sites Affected:																							
onsemi Sites	External Foundry/Subcon Sites																						
onsemi Cebu, Philippines	None																						
Description and Purpose:																							
Adding a new alternate die attach epoxy for SPS packages assembled in onsemi Philippines (OSPI) Cebu Site.																							
<table border="1"><thead><tr><th></th><th>From</th><th>To</th></tr></thead><tbody><tr><td>Die Attach</td><td>Ablestik QMI536NB</td><td>Ablestik QMI536NB Ablestik 2025DSI</td></tr></tbody></table>					From	To	Die Attach	Ablestik QMI536NB	Ablestik QMI536NB Ablestik 2025DSI														
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There is no product marking change as a result of this change.																							
Reliability Data Summary:																							
QV DEVICE NAME: FAN251040MNTXG																							
RMS: F86957																							
PACKAGE: 1819 WQFN34 CUPD MULTI HPBF																							
<table border="1"><thead><tr><th>Test</th><th>Specification</th><th>Condition</th><th>Interval</th><th>Results</th></tr></thead><tbody><tr><td>PC</td><td>J-STD-020 JESD-A113</td><td>MSL 1 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only</td><td></td><td>0/462</td></tr><tr><td>TC</td><td>JESD22-A104</td><td>Ta= -65°C to + 150°C</td><td>500 cyc</td><td>0/231</td></tr><tr><td>uHAST</td><td>JESD22-A118</td><td>130°C, 85% RH, 18.8psig, unbiased</td><td>96 hrs</td><td>0/231</td></tr></tbody></table>				Test	Specification	Condition	Interval	Results	PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only		0/462	TC	JESD22-A104	Ta= -65°C to + 150°C	500 cyc	0/231	uHAST	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
FDMF5175	FAN251040MNTXG
FDMF5085	FAN251040MNTXG
FDMF5076	FAN251040MNTXG
FDMF5075	FAN251040MNTXG
FDMF5071	FAN251040MNTXG
FDMF5068	FAN251040MNTXG
FDMF5062	FAN251040MNTXG
FDMF3180	FAN251040MNTXG
FDMF3160	FAN251040MNTXG
FDMF3170	FAN251040MNTXG
FDMF3172	FAN251040MNTXG
FDMF5176	FAN251040MNTXG
FDMF8811	FAN251040MNTXG