



Final Product/Process Change Notification

Document #: FPCN25019X

Issue Date: 05 Oct 2022

Title of Change:	Qualification of CRM1710DAC Epoxy IC Die Attach Material for SPS Packages.																												
Proposed First Ship date:	12 Jan 2023 or earlier if approved by customer																												
Contact Information:	Contact your local onsemi Sales Office or Genelyn.Bolivar@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:	Datecode																												
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:																													
Continuous process improvement and avoidance of material supply disruption.																													
<table border="1"><thead><tr><th></th><th>From</th><th>To</th></tr></thead><tbody><tr><td>IC Die Attach Material</td><td>QMI536NB Epoxy</td><td>QMI536NB Epoxy CRM1710DAC Epoxy</td></tr></tbody></table>						From	To	IC Die Attach Material	QMI536NB Epoxy	QMI536NB Epoxy CRM1710DAC Epoxy																			
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Marking Change:																													
There is no product marking change as a result of this change.																													
Reliability Data Summary:																													
QV Device: NCP3285AMNTXG																													
Package: SP556																													
RMS: O73563																													
<table border="1"><thead><tr><th>Test</th><th>Specification</th><th>Condition</th><th>Interval</th><th>Result</th></tr></thead><tbody><tr><td>TC + PC</td><td>JESD22-A104</td><td>Ta= -40°C to +125°</td><td>500 cyc</td><td>0/240</td></tr><tr><td>UHAST+ PC</td><td>JESD22-A118</td><td>130°C, 85% RH, 18.8psig</td><td>96 hrs</td><td>0/240</td></tr><tr><td>HAST+ PC</td><td>JESD22-A118</td><td>130°C, 85% RH, 18.8psig, Bias</td><td>96 hrs</td><td>0/240</td></tr><tr><td>PC</td><td>J STD 020A, JESD22-A113</td><td>IR reflow at 260C</td><td>-</td><td>0/240</td></tr></tbody></table>					Test	Specification	Condition	Interval	Result	TC + PC	JESD22-A104	Ta= -40°C to +125°	500 cyc	0/240	UHAST+ PC	JESD22-A118	130°C, 85% RH, 18.8psig	96 hrs	0/240	HAST+ PC	JESD22-A118	130°C, 85% RH, 18.8psig, Bias	96 hrs	0/240	PC	J STD 020A, JESD22-A113	IR reflow at 260C	-	0/240
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Electrical Characteristics Summary:

Electrical characteristics are not impacted since the proposed change is only applicable to IC die which has no electrical function on die backside.

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
FAN251015MNTXG	NCP3285AMNTXG
FAN251030MNTXG	NCP3285AMNTXG
FAN251040MNTXG	NCP3285AMNTXG
NCP3286MNTXG	NCP3285AMNTXG
NCP3296MNTXG	NCP3285AMNTXG
FAN65004B	NCP3285AMNTXG
FAN65004C	NCP3285AMNTXG
FAN65005A	NCP3285AMNTXG
FAN65008B	NCP3285AMNTXG
FDMF2011	NCP3285AMNTXG
FDMF3035	NCP3285AMNTXG
FDMF3037	NCP3285AMNTXG
FDMF3160	NCP3285AMNTXG
FDMF3170	NCP3285AMNTXG
FDMF3172	NCP3285AMNTXG
FDMF3180	NCP3285AMNTXG
FDMF4061	NCP3285AMNTXG
FDMF5062	NCP3285AMNTXG
FDMF5068	NCP3285AMNTXG
FDMF5071	NCP3285AMNTXG
FDMF5085	NCP3285AMNTXG
FDMF5804	NCP3285AMNTXG
FDMF5820DC	NCP3285AMNTXG
FDMF5820TDC	NCP3285AMNTXG
FDMF5821DC	NCP3285AMNTXG
FDMF5822DC	NCP3285AMNTXG
FDMF5823DC	NCP3285AMNTXG



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FDMF5824	NCP3285AMNTXG
FDMF5826DC	NCP3285AMNTXG
FDMF5833-F085	NCP3285AMNTXG
FDMF8811	NCP3285AMNTXG
NCP252160MNTWG	NCP3285AMNTXG
NCP253171MNTXG	NCP3285AMNTXG
NCP302035MNTWG	NCP3285AMNTXG
NCP302040MNTWG	NCP3285AMNTXG
NCP302045HMNTWG	NCP3285AMNTXG
NCP302045MNTWG	NCP3285AMNTXG
NCP302055MNTWG	NCP3285AMNTXG
NCP302150MNTWG	NCP3285AMNTXG
NCP302155AMNTWG	NCP3285AMNTXG
NCP302155HMNTWG	NCP3285AMNTXG
NCP302155MNTWG	NCP3285AMNTXG
NCP303150DMNTWG	NCP3285AMNTXG
NCP303150MNTWG	NCP3285AMNTXG
NCP303151MNTWG	NCP3285AMNTXG
NCP303152MNTWG	NCP3285AMNTXG
NCP303160MNTWG	NCP3285AMNTXG
NCP3284AMNTXG	NCP3285AMNTXG
SCP302045MNTWG	NCP3285AMNTXG
NCP3293MNTXG	NCP3285AMNTXG
NCP3285MNTXG	NCP3285AMNTXG
NCP3285FMNTXG	NCP3285AMNTXG
NCP3285AMNTXG	NCP3285AMNTXG
NCP3285AFMNTXG	NCP3285AMNTXG
NCP3284MNTXG	NCP3285AMNTXG
FDMF5821	NCP3285AMNTXG