



Final Product/Process Change Notification

Document #:FPCN23822X

Issue Date:17 Feb 2022

Title of Change:	Transfer N34TS108C6ECT5G from FCI to ASE CL (bump) and Tarlac (FT/singulation/TnR)
Proposed First Ship date:	10 Jul 2022 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Officer Doina.Patrascu@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 Joe.Chapple@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:	Traceability of change will be on the date code
Change Category:	Assembly Change, Test Change
Change Sub-Category(s):	Manufacturing Site Transfer

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
onsemi Tarlac, Philippines	ASECL, Taiwan (ChungLi)
	Flipchip International, USA

Description and Purpose:

	Before Change Description	After Change Description
Bump Site	Flipchip International, USA	ASE CL, Taiwan
Structure	2P2M	2P2M
P1 Material	CRC2348	PBO HD8820 (Hitachi Dupont)
M1 Material	Cu	Cu
Solder ball Material	SAC305	SAC405
Test site	Flipchip International, USA	onsemi Tarlac, Philippines

There is no product marking change as a result of this change.



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Reliability Data Summary:

QV DEVICE NAME **N34TS108C6ECT5G**

RMS **S76876**

PACKAGE **WLCSP 6**

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/240
TC	JESD22-A104	Ta= -40°C to +125°C	850 cyc	0/240
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/240
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	5x reflow	0/240

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
N34TS108C6ECT5G	N34TS108C6ECT5G