



Final Product/Process Change Notification

Document #:FPCN24494X

Issue Date: 22 Jun 2022

Title of Change:	Addition of onsemi Tarlac, Philippines for assembly and test of SOIC8 products.
Proposed First Ship date:	30 Nov 2022 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Samuel.Sarmiento@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 Andy.Esteva@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 assembly site code in the traceability code
Change Category:	Assembly Change, Test Change
Change Sub-Category(s):	Manufacturing Site Addition, Material Change

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
onsemi Tarlac, Philippines	None

Description and Purpose:

onsemi is announcing that onsemi Tarlac, Philippines has been qualified as assembly and test for SOIC08 NB products.

The affected products may be manufactured in Tarlac, or any of the previously qualified assembly and test locations.

There are no changes to any bill-of-material (BOM) items in the currently qualified locations.

The planned BOM changes for qualification in onsemi Tarlac, Philippines is shown in the table below:

	Before Change Description				After Change Description	
Assembly & Test Site	OSPI Carmona	STARS	UTAC	ASE	OSPI-Carmona, STARS, UTAC, and ASE	OSPI-Tarlac
Lead Frame	Cu based leadframe CuAg or NiPdAu	Cu based leadframe CuAg or NiPdAu	Cu based leadframe NiPdAu	Cu based leadframe CuAg or NiPdAu	NO CHANGE	Cu based leadframe CuAg
Die Attach	CRM-1076WB	ABLESTIK 2200D	ABLESTICK 8200T	EN4900GC	NO CHANGE	CRM 1084P
Bond Wire	Au or Bare Cu or CuPd	Au or Bare Cu or CuPd	Au or Bare Cu or CuPd	Au or Bare Cu or CuPd	NO CHANGE	CuPd
Molding Compound	Sumitomo - G600	Sumitomo - G600	Sumitomo - G600	CEL9240HF	NO CHANGE	Sumitomo - G700LS
Lead Finish	Sn plating or NiPdAu	Sn plating or NiPdAu	Sn plating or NiPdAu	Sn plating or NiPdAu	NO CHANGE	Sn Plating

Note: There is no product marking change and product traceability will be maintained by lot and date code



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Reliability Data Summary:

QV DEVICE NAME: NCV2951ACDR2G

RMS#: O82971

PACKAGE: SOIC8 NB (EPI)

Test	Specification	Condition	Interval	Result
HTOL	TA=125C JA108	TA=150C, bias at 1.2X Nominal (not to exceed Max rated)	1008 hours	0/240
ELFR	AECQ100-008	TA=150C, bias at 1.2X Nominal (not to exceed Max rated)	48 hours	0/800
HTSL	JESD22-A103	Ta = 150C	1008 hours	0/255
PC	J STD020, JESD22-A113	IR reflow at 260C	-	
HAST+PC	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 100% of rated V or 100V max	192 hours	0/255
TC+PC	JESD22-A104	Temp = -65°C to +150°C; for 1000 cycles (or equivalent)	1000cycle	0/300
UHAST+PC	JESD22-A118	Temp = 130C, RH=85%, ~ 18.8 psig	96 hours	0/240

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
NE592D8R2G	NCV2951ACDR2G
LM211DR2G	NCV2951ACDR2G
LM301ADR2G	NCV2951ACDR2G
LM201ADR2G	NCV2951ACDR2G
LM201AVDR2G	NCV2951ACDR2G
MC79L05ACDR2G	NCV2951ACDR2G
MC79L15ACDR2G	NCV2951ACDR2G
MC79L12ABDR2G	NCV2951ACDR2G
MC79L12ACDR2G	NCV2951ACDR2G
MC79L15ABDR2G	NCV2951ACDR2G
SC79L05ABDR2G	NCV2951ACDR2G
MC78L05ACDR2G	NCV2951ACDR2G
MC78L05ABDR2G	NCV2951ACDR2G
MC78L12ACDR2G	NCV2951ACDR2G
MC78L15ABDR2G	NCV2951ACDR2G
MC78L12ABDR2G	NCV2951ACDR2G
MC78L08ABDR2G	NCV2951ACDR2G
MC78L09ABDR2G	NCV2951ACDR2G



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MC78L09ACDR2G	NCV2951ACDR2G
LM393DR2G	NCV2951ACDR2G
LM358DR2G	NCV2951ACDR2G
LM317LBDR2G	NCV2951ACDR2G
LM317LDR2G	NCV2951ACDR2G
LM2931CDR2G	NCV2951ACDR2G
LP2951CDR2G	NCV2951ACDR2G
LP2951CD-3.0R2G	NCV2951ACDR2G
LP2951ACD-3.0R2G	NCV2951ACDR2G
LP2951ACDR2G	NCV2951ACDR2G
MC33269DR2-5.0G	NCV2951ACDR2G
MC33269DR2-3.3G	NCV2951ACDR2G
MC33269DR2G	NCV2951ACDR2G
MC33275D-5.0R2G	NCV2951ACDR2G
LM2903DR2GH	NCV2951ACDR2G
LM2931AD-5.0G	NCV2951ACDR2G
LM2903EDR2G	NCV2951ACDR2G
LM2904EDR2G	NCV2951ACDR2G
LM2904VDR2G	NCV2951ACDR2G
LM2903VDR2G	NCV2951ACDR2G
LM258DR2G	NCV2951ACDR2G
LM2903DR2G	NCV2951ACDR2G
LM2904DR2G	NCV2951ACDR2G
LM2931D-5.0R2G	NCV2951ACDR2G
LM358EDR2G	NCV2951ACDR2G
LM393EDR2G	NCV2951ACDR2G
LM2931AD-5.0R2G	NCV2951ACDR2G
LM293DR2G	NCV2951ACDR2G

Appendix A: Changed Products

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NE592D8R2G		NCV2951ACDR2G		
LM301ADR2G		NCV2951ACDR2G		
LM201ADR2G		NCV2951ACDR2G		
LM201AVDR2G		NCV2951ACDR2G		
MC79L05ACDR2G		NCV2951ACDR2G		
MC79L15ACDR2G		NCV2951ACDR2G		
MC79L12ABDR2G		NCV2951ACDR2G		
MC79L12ACDR2G		NCV2951ACDR2G		
MC79L15ABDR2G		NCV2951ACDR2G		
MC78L05ACDR2G		NCV2951ACDR2G		
MC78L05ABDR2G		NCV2951ACDR2G		
MC78L12ACDR2G		NCV2951ACDR2G		
MC78L15ABDR2G		NCV2951ACDR2G		
MC78L12ABDR2G		NCV2951ACDR2G		
MC78L08ABDR2G		NCV2951ACDR2G		
MC78L09ABDR2G		NCV2951ACDR2G		
MC78L09ACDR2G		NCV2951ACDR2G		
LM393DR2G		NCV2951ACDR2G		
LM358DR2G		NCV2951ACDR2G		
LM317LBDR2G		NCV2951ACDR2G		
LM317LDR2G		NCV2951ACDR2G		
LM211DR2G		NCV2951ACDR2G		
LP2951CDR2G		NCV2951ACDR2G		
LP2951CD-3.0R2G		NCV2951ACDR2G		
LM2931CDR2G		NCV2951ACDR2G		
LP2951ACD-3.0R2G		NCV2951ACDR2G		
MC33269DR2-5.0G		NCV2951ACDR2G		
LP2951ACDR2G		NCV2951ACDR2G		
MC33269DR2G		NCV2951ACDR2G		
MC33269DR2-3.3G		NCV2951ACDR2G		
LM2931AD-5.0G		NCV2951ACDR2G		
MC33275D-5.0R2G		NCV2951ACDR2G		
LM2904EDR2G		NCV2951ACDR2G		
LM2903EDR2G		NCV2951ACDR2G		
LM2903VDR2G		NCV2951ACDR2G		
LM2904VDR2G		NCV2951ACDR2G		
LM258DR2G		NCV2951ACDR2G		
LM2903DR2G		NCV2951ACDR2G		
LM2931D-5.0R2G		NCV2951ACDR2G		
LM2904DR2G		NCV2951ACDR2G		
LM393EDR2G		NCV2951ACDR2G		
LM358EDR2G		NCV2951ACDR2G		
LM293DR2G		NCV2951ACDR2G		
LM2931AD-5.0R2G		NCV2951ACDR2G		