



Final Product/Process Change Notification

Document #:FPCN22964X1

Issue Date:15 Feb 2022

Title of Change:	Update to FPCN22964X - MiniGates Fab, Assembly Material and Test Change (SC88) with datasheet update, push out on implementation date
Proposed First Ship date:	12 May 2022 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or logic.fpcn@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 ChangKit.Mok@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:	For NC7 parts, the marking style will be different. The CS code on the reel label will be changed from US to JP.
Change Category:	Wafer Fab Change, Assembly Change, Test Change
Change Sub-Category(s):	Manufacturing Process Change, Material Change, Datasheet/Product Doc change, Shipping/Packaging/Marking, Manufacturing Site Transfer

Sites Affected:

onsemi Sites	External Foundry/Subcon Sites
Leshan Phoenix Semiconductor, China	HANA Microelectronics, China
onsemi Cebu, Philippines	Tower Semiconductor, Israel
onsemi Maine, United States	Towerjazz Semiconductor, Japan (Toyama)

Description and Purpose:

This updated FPCN22964X1 is released to inform customers that we are pushing out the implementation of FPCN22964X due to wafer fab constraint Towerjazz Semiconductor TPSCO. All the affected parts will continue be supplied using the existing qualified sites and BOM.

Reliability Data Summary:

QV DEVICE NAME: NL17SG373ADFT2G
RMS: S72646 / S65396 / S51765
PACKAGE: SC88

Test	Specification	Condition	Interval	Results
HTOL	JESD22-A108	Ta=125°C, 100 % max rated Vcc	1008 hrs	0/240
HTSL	JESD22-A103	Ta= 150°C	2016 hrs	0/240
TC + PC	JESD22-A104	Ta= -65°C to + 150°C	1000 cyc	0/240
HAST + PC	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/240
uHAST + PC	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/240
PC	J-STD-020 JESD-A113	MSL 1 @ 260°C	-	0/720

Electrical Characteristics Summary:

Electrical characteristics available upon request.



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
NC7WV16P6X	NL17SG373ADFT2G
NC7SP57P6X	NL17SG373ADFT2G
NC7WV04P6X	NL17SG373ADFT2G
NC7SV157P6X	NL17SG373ADFT2G
NC7SV57P6X	NL17SG373ADFT2G
NC7WV14P6X	NL17SG373ADFT2G
NC7WP14P6X	NL17SG373ADFT2G
NC7SV19P6X	NL17SG373ADFT2G
NC7SP157P6X	NL17SG373ADFT2G
NC7SP58P6X	NL17SG373ADFT2G
NC7WV17P6X	NL17SG373ADFT2G
NC7SV58P6X	NL17SG373ADFT2G
NC7WV07P6X	NL17SG373ADFT2G
NC7SV11P6X	NL17SG373ADFT2G
NC7SP19P6X	NL17SG373ADFT2G
NL17SG373ADFT2G	NL17SG373ADFT2G

Appendix A: Changed Products

PCN#: FPCN22964X1
Issue Date: Feb 14, 2022

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NC7WV16P6X		NL17SG373ADFT2G	NA	
NC7WV04P6X		NL17SG373ADFT2G	NA	
NC7SV157P6X		NL17SG373ADFT2G	NA	
NC7WV14P6X		NL17SG373ADFT2G	NA	
NC7WP14P6X		NL17SG373ADFT2G	NA	
NC7SV19P6X		NL17SG373ADFT2G	NA	
NC7SP157P6X		NL17SG373ADFT2G	NA	
NC7WV17P6X		NL17SG373ADFT2G	NA	
NC7SV58P6X		NL17SG373ADFT2G	NA	
NC7WV07P6X		NL17SG373ADFT2G	NA	
NC7SV11P6X		NL17SG373ADFT2G	NA	
NC7SP57P6X		NL17SG373ADFT2G	NA	