



Final Product/Process Change Notification

Document #:FPCN24761X

Issue Date: 26 Jul 2022

Title of Change:	Removal of RDL layer on Starlight IC die.			
Proposed First Ship date:	06 Nov 2022 or earlier if approved by customer			
Contact Information:	Contact your local onsemi Sales Office or Polen.Pitpit@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 Tara.McDonald@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:	Changed material can be identified by date code.			
Change Category:	Assembly Change			
Change Sub-Category(s):	Manufacturing Process Change, Material Change			
Sites Affected:				
onsemi Sites		External Foundry/Subcon Sites		
None		UTAC, Thailand		
Description and Purpose:				
	From	To		
RDL Material	With RDL	Without RDL		
There is no product marking change as a result of this change.				
Reliability Data Summary:				
QV DEVICE NAME: NCP302045MNTWG				
RMS: F77313 and F77981				
PACKAGE: PQFN31 5X5, 0.5P				
Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta = 150C	1008 hrs	0/240
TC-PC	JESD22-A104	Ta= -65°C to +150°C	500 cyc	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		0/240



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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
NCP302035MNTWG	NCP302045MNTWG
NCP302040MNTWG	NCP302045MNTWG
NCP302045DMNTWG	NCP302045MNTWG
NCP302045HMNTWG	NCP302045MNTWG
SCP302045MNTWG	NCP302045MNTWG
NCP302045MNTWG	NCP302045MNTWG