



## Final Product/Process Change Notification

Document #:FPCN24664X

Issue Date: 12 Apr 2022

<b>Title of Change:</b>	QFN 5x5 40L NCP81286/P devices family Change in Bond Wire from 1.3mil Gold to 1.3mil Palladium-Coated Copper Wire.	
<b>Proposed First Ship date:</b>	19 Jul 2022 or earlier if approved by customer	
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Polen.Pitpit@onsemi.com">Polen.Pitpit@onsemi.com</a>	
<b>PCN Samples Contact:</b>	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.	
<b>Additional Reliability Data:</b>	Contact your local onsemi Sales Office or <a href="mailto:MohdAzizi.Azman@onsemi.com">MohdAzizi.Azman@onsemi.com</a>	
<b>Type of Notification:</b>	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 <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a>	
<b>Marking of Parts/ Traceability of Change:</b>	The affected products will be identified with datecode marking	
<b>Change Category:</b>	Assembly Change	
<b>Change Sub-Category(s):</b>	Material Change	
<b>Sites Affected:</b>		
<b>onsemi Sites</b>	<b>External Foundry/Subcon Sites</b>	
onsemi Seremban, Malaysia	None	
<b>Description and Purpose:</b>		
QFN 5x5 40L NCP81286/P device family Change in Bond Wire from 1.3mil Gold to 1.3mil Palladium-Coated Copper Wire.		
	<b>From</b>	<b>To</b>
<b>Bond Wire</b>	1.3mil Gold Wire	1.3mil Pd-Coated Copper Wire
There is no product marking change as a result of this change.		



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## Reliability Data Summary:

QV DEVICE NAME : NCP81210MNTXG

RMS : O81724, O72277

PACKAGE : QFN 40L

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/231
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/231
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231
PC	J-STD-020	MSL 3 @ 260°C		0/693
	JESD-A113			
SD	JSTD002	Ta = 245C, 5 sec		0/45

## 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
NCP81286PCMNTXG	NCP81210MNTXG
NCP81286FHMNTXG	NCP81210MNTXG
NCP81286DMNTXG	NCP81210MNTXG
NCP81286MNTXG	NCP81210MNTXG