



## Final Product/Process Change Notification

Document #:FPCN24076X

Issue Date:12 May 2021

<b>Title of Change:</b>	LQFN 5X5 DRMOS NCP81295MNTXG, NCP81296MNTXG, NCP81292MNTXG Change in Bond Wire from 1.3mil Gold to 1.3mil Palladium-Coated Copper Wire
<b>Proposed First Ship date:</b>	31 Aug 2021 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local ON Semiconductor Sales Office or <a href="mailto:Wayne.Cheng@onsemi.com">Wayne.Cheng@onsemi.com</a>
<b>PCN Samples Contact:</b>	Contact your local ON Semiconductor Sales Office or < <a href="mailto:PCN.samples@onsemi.com">PCN.samples@onsemi.com</a> >. 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 ON Semiconductor 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. ON Semiconductor 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 data code
<b>Change Category:</b>	Assembly Change
<b>Change Sub-Category(s):</b>	Material Change

**Sites Affected:**

ON Semiconductor Sites	External Foundry/Subcon Sites
ON Semiconductor Seremban, Malaysia	None

**Description and Purpose:**

LQFN 5X5 DRMOS NCP81295MNTXG, NCP81296MNTXG, NCP81292MNTXG Change in Bond Wire from 1.3mil Gold to 1.3mil Palladium-Coated Copper Wire.

	Before Change Description	After Change Description
Bond Wire	1.3mil Gold Wire (Part # B50607A083)	1.3mil Pd-Coated Copper Wire (Part # N40363E016)

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

**Reliability Data Summary:**QV DEVICE NAME: NCP81295MNTXGRMS: Q72277PACKAGE: QFN 5x5 32L

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/336
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/400
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/392
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/336
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C		All Pass
SAT		Compare for Delamination before and after PC		0/88
SD	JSTD002	Ta = 245C, 5 sec		0/60

**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
NCP81292MNTXG	NCP81295MNTXG
NCP81296MNTXG	NCP81295MNTXG
NCP81295MNTXG	NCP81295MNTXG