



# Initial Product/Process Change Notification

Document #: IPCN24061XA

Issue Date: 17 Aug 2021

<b>Title of Change:</b>	Cu Wire Conversion from 1mil Au to 1mil PCC for ONC25 and Combo (ONC25+VHVIC) devices
<b>Proposed First Ship date:</b>	24 Dec 2021 or earlier if approved by customer
<b>Contact Information:</b>	Contact your local onsemi Sales Office or <a href="mailto:Scott.Brow@onsemi.com">Scott.Brow@onsemi.com</a>
<b>PCN Samples Contact:</b>	Contact your local onsemi 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>Type of Notification:</b>	This is an Initial Product/Process Change Notification (IPCN) sent to customers. An IPCN is an advance notification about an upcoming change and contains general information regarding the change details and devices affected. It also contains the preliminary reliability qualification plan. The completed qualification and characterization data will be included in the Final Product/Process Change Notification (FPCN). This IPCN notification will be followed by a Final Product/Process Change Notification (FPCN) at least 90 days prior to implementation of the change. In case of questions, contact < <a href="mailto:PCN.Support@onsemi.com">PCN.Support@onsemi.com</a> >
<b>Marking of Parts/ Traceability of Change:</b>	Product marked with date code 2150 or later may be built with Cu wire.
<b>Change Category:</b>	Assembly Change
<b>Change Sub-Category(s):</b>	Material Change

**Sites Affected:**

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

**Description and Purpose:**

This split notification to the previously released IPCN24061X, due to the inadvertent omission of the OPN listed in this notification. As noted in IPCN24061X, onsemi would like to notify its customers of our intent to qualify the products listed in this FPCN from 1.0mil Au Wire to 1.0mil Pd Coated Cu (PCC). There will be no other changes to the BOM associated with this qualification.

	Before Change Description	After Change Description
Bond Wire	1.0mil Au	1.0mil PCC (Pd Coated Cu)

Also, there is no product marking change as a result of this change.

**Qualification Plan:**

QV DEVICE NAME NCP51530BDR2G\_NCL30086BHDR2G

RMS : TBD

PACKAGE : SOIC 8

Test	Specification	Condition	Interval
HTSL	JESD22-A103	Ta= 150°C	1008 hrs
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc
HAST	JESD22-A110	110°C, 85% RH, 18.8psig, bias	528 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C	



# Initial Product/Process Change Notification

Document #: IPCN24061XA

Issue Date: 17 Aug 2021

QV DEVICE NAME : NCP1399ACDR2G

RMS : O77414 / O77602

PACKAGE: SOIC 16

Test	Specification	Condition	Interval
HTSL	JESD22-A103	Ta= 150°C	1008 hrs
TC	JESD22-A104	Ta= -65°C to +150°C	500 cyc
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs
PC	J-STD-020 JESD-A113	MSL 3 @ 260 °C	

Estimated date for qualification completion: 27 August 2021

## 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
NCP1399ACDR2G	NCP1399ACDR2G



---

**Appendix A: Changed Products**

---

**PCN#: IPCN24061XA**  
**Issue Date: Aug 17, 2021**

---

---

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCP1399ACDR2G		NCP1399ACDR2G		