



Final Product/Process Change Notification

Document #:FPCN25329X

Issue Date:17 May 2023

Title of Change:	Gold to copper wire conversion for strategic parts at existing manufacturing site, onsemi Tarlac Philippines.
Proposed First Ship date:	24 Aug 2023 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Samuel.Sarmiento@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 Andy.Esteva@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:	Affected parts can be identified by the traceability code.
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change

Sites Affected:

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

Description and Purpose:

onsemi Tarlac, Philippines is announcing the conversion of Au wire to PCC wire for QFN16 3x3 NCS3701xxx. This change is implemented to use an alternative precious metal as bonding material.

	From	To
Bond Wire	Au wire	Palladium coated copper Wire

Note: There is no product marking change and product traceability will be maintained by lot and date code

Reliability Data Summary:

QV DEVICE NAME: NCS37014MNTWG

PACKAGE: QFN16 3x3

RMS : O85447

Test	Specification	Condition	Interval	Result
HTSL	JESD22-A103	Ta = 150C	1008 hours	0/240
PC	J STD020, JESD22-A113	IR reflow at 260C	-	0/240
HAST+PC	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 100% of rated V or 100V max	192 hours	0/240
TC+PC	JESD22-A104	Temp = -65°C to +150°C; for 1000 cycles (or equivalent)	1000cycle	0/240
UHAST+PC	JESD22-A118	Temp = 130C, RH=85%, ~ 18.8 psig	96 hours	0/240



Final Product/Process Change Notification

Document #:FPCN25329X

Issue Date:17 May 2023

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
NCS37014MNATWG	NCS37014MNTWG
NCS37014MNTWG	NCS37014MNTWG
NCS37015MNTWG	NCS37014MNTWG

Appendix A: Changed Products

PCN#: FPCN25329X
Issue Date: May 17, 2023

DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
NCS37014MNTWG		NCS37014MNTWG		
NCS37015MNTWG		NCS37014MNTWG		