



Final Product/Process Change Notification

Document #:FPCN25047X

Issue Date:11 Oct 2023

Title of Change:	Conversion of 1.5 mil Gold (Au) wire to 1.5 mil Palladium coated copper (PCC) wire for select SOIC packages at onsemi, Carmona, Philippines (OSPI)
Proposed First Ship date:	18 Jan 2024 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Chris.Diacajo@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 Vladislav.Hrachovec@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 product will be identified with date code
Change Category:	Assembly Change
Change Sub-Category(s):	Manufacturing Process Change

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

Description and Purpose:

onsemi would like to inform customers of the planned change from 1.5mil Au to 1.5mil Palladium Coated Copper wire on select products assembled in onsemi, Carmona Philippines. There is no planned change to the orderable part numbers, or product marking, and there is no anticipated change to product parametric performance or datasheet parameters.

	From	To
Bond Wire	1.5 mils Au Wire	1.5 mils Palladium Coated Copper Wire



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Reliability Data Summary:

QV DEVICE Name: NCV0372BDWR2G

RMS: O87983_O88132

PACKAGE: SOIC16W

Test	Specification	Condition	Interval	Result
HTSL	JESD22-A103	Temp =150C	1008 hrs	0/240
PC	J-STD-020 JESD-A113	IR reflow at 260C		0/720
TC + PC	JESD22-A104	Temp = -65°C to +150°C; for 1000 cycles (or equivalent)	1000 cycles	0/240
HAST + PC	JESD22-A110	Temp = 130C, 85% RH, ~ 18.8 psig, bias = 100% of rated V or 100V max	96 hrs	0/240
UHASt + PC	JESD22-A118	Temp = 130C, RH=85%, ~18.8 psig	96 hrs	0/240

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
TCA0372DWR2G	NCV0372BDWR2G
TCA0372BDWR2G	NCV0372BDWR2G
LM2574DW-ADJR2G	NCV0372BDWR2G
LM2594DADJR2G	NCV0372BDWR2G
NCS2372DWR2G	NCV0372BDWR2G

Appendix A: Changed Products

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DIKG: DIGI-KEY

Product	Customer Part Number	Qualification Vehicle	New Part Number	Replacement Supplier
TCA0372DWR2G		NCV0372BDWR2G	NA	
LM2574DW-ADJR2G		NCV0372BDWR2G	NA	
LM2594DADJR2G		NCV0372BDWR2G	NA	
NCS2372DWR2G		NCV0372BDWR2G	NA	
TCA0372BDWR2G		NCV0372BDWR2G	NA	