



Final Product/Process Change Notification

Document #:FPCN25565X

Issue Date:06 Nov 2023

Title of Change:	onsemi Tarlac Bonding Wire Change for WQFN10 from Gold to Palladium Coated Copper Wire	
Proposed First Ship date:	07 Feb 2024 or earlier if approved by customer	
Contact Information:	Contact your local onsemi Sales Office or Cyrus.Velasquez@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:	Product traceability will be maintained by date 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:		
This final notification wants to notify the customers regarding the qualification of palladium coated copper wire for WQFN10 Packages.		
Material	From	To
Bond Wire	Gold Wire, Size: 1mil	Palladium Coated Copper Wire, Size: 1mil
There will be no changes on the other direct materials not listed above.		
There is no product marking change as a result of this change.		



Final Product/Process Change Notification

Document #:FPCN25565X

Issue Date:06 Nov 2023

Reliability Data Summary:

QV DEVICE NAME: NCP12700BMTTXG

RMS: O87040

PACKAGE: WQFN-10

Test	Specification	Condition	Interval	Results
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/231
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260°C, Pre TC, uHAST, HAST for surface mount pkgs only		0/720
Temperature Cycling	JESD22-A104	Temp = -65°C to +150°C	500 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231

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
NCP12700BMTTXG	NCP12700BMTTXG