Initial Product/Process Change Notification

Document #:IPCN25425X
Issue Date:13 Dec 2023

Title of Change:	Assembly material change of 1.0mil gold wire to 1.0mil palladium coated copper for SSOT6 Analog package in onsemi Cebu, Philippines.
Proposed First Ship date:	29 Apr 2024 or earlier if approved by customer
Contact Information:	Contact your local onsemi Sales Office or Ernesto.Villamor@onsemi.com or Joseph.Mendoza@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.
Type of Notification:	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 <PCN.Support@onsemi.com>
Marking of Parts/ Traceability of Change:	Identification through date code cut off.
Change Category:	Assembly Change
Change Sub-Category(s):	Material Change

Sites Affected:

onsemi Sites	**External Foundry/Subcon Sites**
onsemi Cebu, Philippines	None

Description and Purpose:

- Material changes from Au – Palladium Coated Copper (PCC) wire.
- Standardization of bonding wire use in SSOT6 analog package.

	From	**To**
Bond Wire	1.0 mil Au wire	1.0 mil PCC wire

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

Qualification Plan:

QV DEVICE NAME: FAN5622SX
RMS: F91436
PACKAGE: F369 | TSOT-23 6L AU SNGL HPBF

Test	Specification	Condition	Interval
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs
Preconditioning	J-STD-020 JESD-A113	MSL 1 @ 260 °C	
Temperature Cycling	JESD22-A104	Ta= -65°C to + 150°C	500 cyc
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs

Estimated date for qualification completion: November 3, 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
FAN5622SX	FAN5622SX