



Final Product/Process Change Notification

Document #:FPCN25425XA

Issue Date:09 Sep 2024

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:	16 Dec 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.									
Additional Reliability Data:	Contact your local onsemi Sales Office or Aileen.Allado@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:	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:										
onsemi has completed qualification of PCC wire for SSOT6 analog package identified in this notification.										
This change is being made in order to standardize the bonding wire used for SSOT6 analog package.										
<table><tr><th></th><th>From</th><th>To</th></tr><tr><td>Bond Wire</td><td>1.0 mil Au wire</td><td>1.0 mil PCC wire</td></tr></table>						From	To	Bond Wire	1.0 mil Au wire	1.0 mil PCC wire
	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.										
Reliability Data Summary:										
QV DEVICE NAME: FAN5622SX										
RMS: F91436										
PACKAGE: F369 TSOT-23 6L AU SNGL HPBF										
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		0/693						
Temperature Cycling	JESD22-A104	Ta= -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						



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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
FAN5622SX	FAN5622SX