



Final Product/Process Change Notification
Document #:FPCN26015X
Issue Date:10 Nov 2025

Title of Change:	Assembly Material Change of Gold (Au) to Palladium Coated Copper (PCC) in Greatek			
Proposed First Ship date:	17 Feb 2026 or earlier if approved by customer			
Contact Information:	Contact your local onsemi Sales Office			
PCN Samples Contact:	<p>Contact your local onsemi Sales Office.</p> <p>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.</p> <p>Samples delivery timing will be subject to request date, sample quantity and special customer packing/label requirements.</p>			
Additional Reliability Data:	Contact your local onsemi Sales Office			
Type of Notification:	<p>This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change.</p> <p>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</p>			
Marking of Parts/ Traceability of Change:	Changed material can be identified by lot code			
Change Category:	Assembly Change			
Change Sub-Category(s):	Material Change			
Sites Affected:				
onsemi Sites	External Foundry/Subcon Sites			
None	Greatek Electronics Inc., Taiwan			
Description and Purpose:				
onsemi would like to inform customers of the planned Bond wire material conversion from Au wire to PCC wire. This change selected products assembled at Greatek Taiwan.				
There is no planned change to orderable part numbers, product marking template and no anticipated change to product parametric performance in data sheet parameter.				
	From	To		
Bond Wire	Au wire size 0.8 mil Au wire size 1 mil	PCC wire size 0.8 mil PCC wire size 1 mil		



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Reliability Data Summary:

QV DEVICE NAME: FAN4800AUN

RMS: O100265

PACKAGE: PDIP

Summary: the reliability tests performed for the qualification Au wire to PCC wire conversion in Greatek, Taiwan (GTK) assembly site for the device FAN4800AUN in PDIP package. Reliability qualification was completed with passing results.

Test	Specification	Condition	Interval	Results
High Temperature Storage Life	JESD22-A103	Ta= 150°C	1008 hrs	0/231
Temperature Cycling	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231

QV DEVICE NAME: FAN6922MRMX

RMS: O100258

PACKAGE: SOIC

Summary: the reliability tests performed for the qualification of Au wire to PCC wire conversion in Greatek, Taiwan (GTK) assembly. FAN6922MRMX was used as the qualification vehicle in SOIC package. Reliability qualification was completed with passing results.

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 3 @ 260 °C, Pre TC, uHAST, HAST for surface mount pkgs only		0/693
Temperature Cycling	JESD22-A104	Ta= -55°C to +150°C	1000 cyc	0/231
Highly Accelerated Stress Test	JESD22-A110	130°C, 85% RH, 18.8psig, bias	192 hrs	0/231
Unbiased Highly Accelerated Stress Test	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/231

QV DEVICE NAME: FAN9672Q

RMS: O98453, O103368

PACKAGE: LQFP

Summary: the completed reliability tests for the qualification of Au wire to PCC wire in GREATEK TWN (GTK) external manufacturing assembly site. FAN9672Q was used as the qualification vehicle to represent LQFP package. Reliability qualification was completed with passing results

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 3 @ 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	110°C, 85% RH, 18.8psig, bias	264 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
FAN9672Q	FAN9672Q
FAN9673Q	FAN9672Q
FAN4800AUN	FAN4800AUN
FAN4800AUM	FAN6922MRMX
FAN6921BMRMY	FAN6922MRMX
FAN6920MRMY	FAN6922MRMX
FL7921RMX	FAN6922MRMX
FAN6921MLMY	FAN6922MRMX
FAN6922MRMX	FAN6922MRMX