Final Product Change Notification

202406001F01 : PCAL6416AHF Wire Conversion from Au to Cu

Issue Date: Jun 17, 2024 **Effective Date:** Oct 01, 2024

Here is your personalized communication about an NXP notification.
For detailed information we invite you to view this notification online

Management summary

NXP will change the wire for the bonding of the PCAL6416AHF product, from gold to copper for improved reliability and manufacturing logistics. This will align the manufacturing process and flow of this product to industry standard.

Change Category

[ ]Wafer Fab Process	[ ]Assembly Process	[ ]Product Marking	[ ]Test Process	[ ]Design
[ ]Wafer Fab Materials	[X]Assembly Materials	[ ]Mechanical Specification	[ ]Test Equipment	[ ]Errata
[ ]Wafer Fab Location	[ ]Assembly Location	[ ]Packing/Shipping/Labeling	[ ]Test Location	[ ]Electrical spec./Test coverage
[ ]Firmware	[ ]Other			

Notification Overview
Description

ATKH will convert to Copper wire for this product.

Reason

Copper wire will improve overall product reliability and reduce logistics risks in production, by moving the product, to standard, current production materials.

Identification of Affected Products

Product identification does not change

Product Availability

Sample Information

Samples are available upon request

Production

Planned first shipment Sep 03, 2024

Anticipated Impact on Form, Fit, Function, Reliability or Quality

No Impact on form, fit, function, reliability or quality

Disposition of Old Products

Existing inventory will be shipped until depleted

Additional information

Self qualification:view online

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Jul 17, 2024.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

For specific questions on this notice or the products affected please contact our specialist directly:

Name	Jason Diefenbacher
Position	Quality Engineer
e-mail address	Jason.Diefenbacher@nxp.com

At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards. Customer Focus, Passion to Win.

NXP Quality Management Team.

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) provides High Performance Mixed Signal and Standard Product solutions that leverage its leading RF, Analog, Power Management, Interface, Security and Digital Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

You have received this email because you are a designated contact or subscribed to NXP Quality Notifications. NXP shall not be held liable if this Notification is not correctly distributed within your organization.

This message has been automatically distributed. Please do not reply.

12NC	Orderable Part Number	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	Product Line
935298073128	PCAL6416AHF,128	PCAL6416AHF	16-bit I2C Fm LV VLT TP/OD GPIO IRL	H(W)QFN24	SOT994-1	RFS	No	BLC6