



## Product Change Notification / ALAN-04TAUD275

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**Date:**

07-Sep-2023

**Product Category:**

32-bit Microcontrollers

**PCN Type:**

Manufacturing Change

**Notification Subject:**

CCB 6495 Initial Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire as new wire material for selected AT32UC3xx and ATSAM4Lxx device families available in 100L TQFP (14x14x1mm) package.

**Affected CPNs:**

[ALAN-04TAUD275\\_Affected\\_CPN\\_09072023.pdf](#)  
[ALAN-04TAUD275\\_Affected\\_CPN\\_09072023.csv](#)

**Notification Text:**

**PCN Status:**Initial Notification

**PCN Type:**Manufacturing Change

**Microchip Parts Affected:**Please open one of the files found in the Affected CPNs section.  
Note: For your convenience Microchip includes identical files in two formats (.pdf and .xls)

**Description of Change:**Qualification of palladium coated copper with gold flash (CuPdAu) bond wire as new wire material for selected AT32UC3xx and ATSAM4Lxx device families available in 100L TQFP (14x14x1mm) package.

**Pre and Post Change Summary:**

	Pre Change	Post Change
Assembly Site	Microchip Technology Thailand (MMT)	Microchip Technology Thailand (MMT)
Wire Material	Au	CuPdAu
Die Attach Material	3280	3280
Molding Compound Material	G700HA	G700HA
Lead-Frame Material	C7025	C7025

**Impacts to Data Sheet:**None

**Change Impact:**None

**Reason for Change:**To improve manufacturability by qualifying palladium coated copper with gold flash (CuPdAu) bond wire.

**Change Implementation Status:**In Progress

**Estimated Qualification Completion Date:**December 2023

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

**Time Table Summary:**

	September 2023					>	December 2023				
Workweek	3 5	3 6	3 7	3 8	3 9		48	49	50	51	52
Initial PCN Issue Date		X									
Qual Report Availability								X			
Final PCN Issue Date								X			

**Method to Identify Change:**Traceability code

**Qualification Plan:**Please open the attachments included with this PCN labeled as PCN\_#\_Qual\_Plan.

**Revision History:**September 7, 2023: Issued initial notification.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

## **Attachments:**

[PCN\\_ALAN-04TAUD275 Qual Plan.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

## **Terms and Conditions:**

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