



Product Change Notification: MAAN-21MBKP146

Date:

24-Sep-2025

Product Category:

8-Bit Microcontrollers

Notification Subject:

CCB 7411.001 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) as a new wire material for selected AT90CAN32, AT90CAN64, ATmega128, ATmega128A, ATMEGA165xx, ATmega169xx, ATmega325, ATmega325xx, ATmega329, ATmega329xx, ATmega64, ATmega64A, ATmega645, ATmega645xx, ATmega649 and ATmega6490xx device families available in 64L and 100L TQFP (14x14x1mm) package.

Affected CPNs:

[MAAN-21MBKP146_Affected_CPN_09242025.pdf](#)

[MAAN-21MBKP146_Affected_CPN_09242025.csv](#)

PCN Status: Final 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) as a new wire material for selected AT90CAN32, AT90CAN64, ATmega128, ATmega128A, ATMEGA165xx, ATmega169xx, ATmega325, ATmega325xx, ATmega329, ATmega329xx, ATmega64, ATmega64A, ATmega645, ATmega645xx, ATmega649 and ATmega6490xx device families available in 64L and 100L TQFP (14x14x1mm) package.

Pre and Post Summary Changes:

	Pre Change	Post Change
Assembly Site	Microchip Technology Thailand (Branch) (MMT)	Microchip Technology Thailand (Branch) (MMT)

Wire Material	Au	CuPdAu
Die Attach Material	QMI519	QMI519
Molding Compound Material	G700HA	G700HA
Lead-Frame Material	C7025	C7025

Impacts to Datasheet: None

Change Impact: None

Reason for Change: To improve productivity by qualifying palladium coated copper with gold flash (CuPdAu) as a new bond wire material at MMT assembly site.

Change Implementation Status: In Progress

Estimated First Ship Date: 28 November 2025 (date code: 2548)

Note Below EFSD: Note: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Timetable Summary:

	September 2025					>	November 2025				
Work Week	36	37	38	39	40		45	46	47	48	49
Qual Report Availability				x							
Final PCN Issue Date				x							
Estimated Implementation Date										x	

Method to Identify Change: Traceability Code

Qualification Report: Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History: September 24, 2025: Issued final notification.

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

Attachments:

[PCN_MAAN-21MBKP146 Qual Report.pdf](#)

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

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