



Product Change Notification: MFOL-23TTPT734

Date:

05-Jan-2026

Product Category:

32-Bit Microcontrollers, Smart Energy Wireless Communications, Wireless Modules

Notification Subject:

CCB 8013 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) as a new bond wire material for AT91SAM7S32B-MU-999, AT91SAM7S32B-MU, AT86RF215M-ZU, AT86RF215M-ZUR, AT86RF215IQ-ZUR, AT86RF215IQ-ZU, AT86RF215-ZU, ATSAM3N1AB-MU, ATSAM3N0AA-MUR, ATSAM3N1AB-MUR, ATSAM3N00AA-MUR, ATSAM3N0AA-MU, ATSAM3N00AA-MU, ATSAM3S4AA-MUR, ATSAM3S2AA-MU, ATSAM3S4AA-MU, ATSAM3S2AA-MUR, ATSAM3S1AB-MUR, ATSAM3S1AB-MU, ATSAM4LC8AA-MU, ATSAM4LS8AA-MUR, ATSAM4LC8AA-MUR, ATSAM4LS8AA-MU, ATMEGA2564RFR2-ZFRP01, ATMEGA1284RFR2-ZFR, ATMEGA644RFR2-ZUR, ATMEGA2564RFR2-ZF, ATMEGA2564RFR2-ZU, ATMEGA644RFR2-ZFR, ATMEGA2564RFR2-ZFR, ATMEGA1284RFR2-ZUR, ATMEGA2564RFR2-ZUR, ATMEGA644RFR2-ZU, ATMEGA644RFR2-ZF, ATMEGA1284RFR2-ZF, and ATMEGA1284RFR2-ZU catalog part numbers (CPN) available in 48L VQFN (7x7x1.0mm) package at MMT assembly site.

Affected CPNs:

[MFOL-23TTPT734_Affected_CPN_01052026.pdf](#)

[MFOL-23TTPT734_Affected_CPN_01052026.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 bond wire material for AT91SAM7S32B-MU-999, AT91SAM7S32B-MU, AT86RF215M-ZU, AT86RF215M-ZUR, AT86RF215IQ-ZUR, AT86RF215IQ-ZU, AT86RF215-ZU, ATSAM3N1AB-MU, ATSAM3N0AA-MUR, ATSAM3N1AB-MUR, ATSAM3N00AA-MUR, ATSAM3N0AA-MU, ATSAM3N00AA-MU, ATSAM3S4AA-MUR, ATSAM3S2AA-MU, ATSAM3S4AA-MU, ATSAM3S2AA-MUR, ATSAM3S1AB-MUR, ATSAM3S1AB-MU, ATSAM4LC8AA-MU,

ATSAM4LS8AA-MUR, ATSAM4LC8AA-MUR, ATSAM4LS8AA-MU, ATMEGA2564RFR2-ZFRP01, ATMEGA1284RFR2-ZFR, ATMEGA644RFR2-ZUR, ATMEGA2564RFR2-ZF, ATMEGA2564RFR2-ZU, ATMEGA644RFR2-ZFR, ATMEGA2564RFR2-ZFR, ATMEGA1284RFR2-ZUR, ATMEGA2564RFR2-ZUR, ATMEGA644RFR2-ZU, ATMEGA644RFR2-ZF, ATMEGA1284RFR2-ZF, and ATMEGA1284RFR2-ZU catalog part numbers (CPN) available in 48L VQFN (7x7x1.0mm) package at MMT assembly site.

Pre and Post Summary Changes:

	Pre Change	Post Change	Change (Yes/No)
Assembly Site	Microchip Technology Thailand (Branch) (MMT)	Microchip Technology Thailand (Branch) (MMT)	No
Wire Material	Au	CuPdAu	Yes
Die Attach Material	QMI519	QMI519	No
Molding Compound Material	G700LTD	G700LTD	No
Lead-Frame Material	C194	C194	No
Lead-Frame DAP Surface Prep	Bare Cu	Ag Selective	Yes

Impacts to Datasheet: None

Change Impact: None

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

Change Implementation Status: In Progress

Estimated First Ship Date: 18 March 2026 (date code: 2612)

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

Timetable Summary:

	January 2026					>	March 2026				
Work Week	01	02	03	04	05		10	11	12	13	14
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: January 05, 2026: 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_MFOL-23TTPT734_Qualification Report.pdf](#)

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

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