



Product Change Notification / KSRA-20GCJX052

Date:

21-Jul-2020

Product Category:

8-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4311 Initial Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire and G631HQ mold compound material for selected Atmel ATMEGAXXM1, ATMEGAXXU2, AT90USBXX2 and ATXMEGAXXE5 device families available in 32L TQFP (7x7x1.0mm) package at ANAP assembly site.

Affected CPNs:

[KSRA-20GCJX052_Affected_CPN_07212020.pdf](#)

[KSRA-20GCJX052_Affected_CPN_07212020.csv](#)

Notification Text:

PCN Status: Initial notification

PCN Type: Manufacturing Change

Microchip Parts Affected: Please open one of the icons found in the Affected CPNs section above.

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 and G631HQ mold compound material for selected Atmel ATMEGAXXM1, ATMEGAXXU2, AT90USBXX2 and ATXMEGAXXE5 device families available in 32L TQFP (7x7x1.0mm) package at ANAP assembly site.

Pre Change:

Assembled using palladium coated copper (PdCu) bond wire and G700Y molding compound material

Post Change:

Assembled using palladium coated copper with gold flash (CuPdAu) bond wire and G631HQ molding compound material

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Amkor Technology Philippine (P1/P2), INC. / ANAP	Amkor Technology Philippine (P1/P2), INC. / ANAP
Wire material	PdCu	CuPdAu
Die attach material	3230	3230
Molding compound material	G700Y	G631HQ
Lead frame material	C194 ESH	C194 ESH

Impacts to Data Sheet: None

Change Impact:None

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

Change Implementation Status:In Progress

Estimated Qualification Completion Date:December 2020

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:

	July 2020					-->	November 2020				
	27	28	29	30	31		45	46	47	48	49
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:July 21, 2020: 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_KSRA-20GCJX052_Qual_Plan.pdf](#)

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

Terms and Conditions:

If you wish to receive Microchip PCNs via email please register for our PCN email service at our [PCN home page](#) select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the [PCN FAQ](#) section.

If you wish to change your PCN profile, including opt out, please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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Affected Catalog Part Numbers (CPN)

ATMEGA32M1-AU
ATMEGA16M1-AU
ATMEGA32M1-AUR
ATMEGA64M1-AU
ATMEGA16U2-AU
ATMEGA8U2-AU
ATMEGA16U2-AUR
ATMEGA8U2-AUR
ATMEGA32U2-AU
ATMEGA32U2-AUR
AT90USB162-16AU
AT90USB162-16AUR
ATXMEGA8E5-AU
ATXMEGA16E5-AU
ATXMEGA32E5-AU
ATXMEGA8E5-AN
ATXMEGA16E5-AN
ATXMEGA32E5-AN
ATXMEGA16E5-ANR
ATXMEGA8E5-ANR
ATXMEGA32E5-ANR
ATXMEGA8E5-AUR
ATXMEGA16E5-AUR
ATXMEGA32E5-AUR