



## Product Change Notification / KSRA-20GCJX052

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### Date:

23-Apr-2021

### Product Category:

8-bit Microcontrollers

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 4311 Final Notice: Qualification of palladium coated copper with gold flash (CuPdAu) bond wire and G631HQ mold compound material for selected Atmel ATMEGAXXM1, ATMEGAXXU2, AT90USB162 and ATXMEGAXXE5 device families available in 32L TQFP (7x7x1.0mm) package at ANAP assembly site.

### Affected CPNs:

[KSRA-20GCJX052\\_Affected\\_CPN\\_04232021.pdf](#)

[KSRA-20GCJX052\\_Affected\\_CPN\\_04232021.csv](#)

### Notification Text:

**PCN Status:** Final notification.

**PCN Type:** Manufacturing Change

**Microchip Parts Affected:** Please open one of the icons 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 and G631HQ mold compound material for selected Atmel ATMEGAXXM1, ATMEGAXXU2, AT90USB162 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:**

	<b>Pre Change</b>	<b>Post Change</b>
<b>Assembly Site</b>	Amkor Technology Philippine (P1/P2), INC. / ANAP	Amkor Technology Philippine (P1/P2), INC. / ANAP
<b>Wire material</b>	PdCu	CuPdAu
<b>Die attach material</b>	3230	3230
<b>Molding compound material</b>	G700Y	G631HQ
<b>Lead frame material</b>	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 First Ship Date:**April 30, 2021 (date code: 2118)

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

**Time Table Summary:**

	July 2020					-->	April 2021				
	27	28	29	30	31		14	15	16	17	18
Initial PCN Issue Date				X							
Qual Report Availability									X		
Final PCN Issue Date									X		
Estimated First Ship 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:****July 21, 2020:** Issued initial notification.**April 23, 2021:** Issued final notification. Attached the qualification report. Provided estimated first ship date to be on April 30, 2021.

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\\_Report.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.

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