



## Product Change Notification - GBNG-14WQIZ459

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**Date:**

02 Oct 2018

**Product Category:**

8-bit Microcontrollers; Capacitive Touch Sensors

**Affected CPNs:****Notification subject:**

CCB 3370.001 Final Notice: Qualification of MMT as a new assembly site in selected Atmel products of 19.6K, 35.4K and 35.5K wafer technologies available in 32L VQFN package using palladium coated copper wire with gold flash (CuPdAu) bond wire.

**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 above.

**NOTE:** For your convenience Microchip includes identical files in two formats (.pdf and .xls)

**Description of Change:**

Qualification of MMT as a new assembly site in selected Atmel products of 19.6K, 35.4K and 35.5K wafer technologies available in 32L VQFN package using palladium coated copper wire with gold flash (CuPdAu) bond wire.

**Pre Change:**

Assembled at ANAC assembly site with punched as a singulation method, using palladium coated copper wire (PdCu) bond wire and 8290 die attach material.

**Post Change:**

Assembled at MMT assembly site with sawn as a singulation method, using palladium coated copper wire with gold flash (CuPdAu) bond wire and 3280 die attach material.

**Pre and Post Change Summary:**

	Pre Change	Post Change
<b>Assembly Site</b>	Amkor Assembly & Test (Shanghai) Co., LTD (ANAC)	Microchip Technology Thailand (Branch)(MMT)
<b>Wire material</b>	PdCu	CuPdAu
<b>Die attach material</b>	8290	3280
<b>Molding compound material</b>	G700	G700
<b>Lead frame material</b>	C194	C194
<b>Singulation method</b>	Punched	Sawn

**Impacts to Data Sheet:**

Yes. POD (package outline drawing) change.

**Change Impact:**

None

**Reason for Change:**

To improve on-time delivery performance by qualifying MMT as a new assembly site.

**Change Implementation Status:**

In Progress



**Estimated First Ship Date:**

November 02, 2018 (date code:1844)

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

**Time Table Summary:**

	August 2018						October 2018				November 2018				
Workweek	31	32	33	34	35		40	41	42	43	44	45	46	47	48
Initial PCN Issue Date				X											
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:**

**August 20, 2018:** Issued initial notification.

**September 07, 2018:** Re-issued initial notification to reflect POD change in Impacts to Data Sheet section.

**October 02, 2018:** Issued final notification. Attached the Qualification Report. Provided estimated first ship date on November 02, 2018. Include die attach material in the pre and post change.

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

**Attachment(s):**

[PCN\\_GBNG-14WQIZ459\\_Qual\\_Report.pdf](#)

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

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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)

AT42QT1110-MUR  
AT42QT11C12-MUR  
AT42QT1244-MU  
AT42QT1244-MUR  
AT42QT1245-MU  
AT42QT1245-MUR  
AT42QT2100-MUR  
AT42QT4160-MUR  
ATMEGA168-20MQ  
ATMEGA168-20MQR  
ATMEGA168-20MU  
ATMEGA168-20MUR  
ATMEGA168A-MU  
ATMEGA168A-MUR  
ATMEGA168P-20MQ  
ATMEGA168P-20MQR  
ATMEGA168P-20MU  
ATMEGA168P-20MUR  
ATMEGA168PA-MN  
ATMEGA168PA-MNR  
ATMEGA168PA-MU  
ATMEGA168PA-MUA1  
ATMEGA168PA-MUR  
ATMEGA168PA-MUR431  
ATMEGA168PA-MURA1  
ATMEGA168PV-10MU  
ATMEGA168PV-10MUR  
ATMEGA168PV-10MUR455  
ATMEGA168V-10MQ  
ATMEGA168V-10MQR  
ATMEGA168V-10MQR610  
ATMEGA168V-10MU  
ATMEGA168V-10MUR  
ATMEGA168V-10MUR598  
ATMEGA328-MU  
ATMEGA328-MUR  
ATMEGA328P-MN  
ATMEGA328P-MNR  
ATMEGA328P-MU  
ATMEGA328P-MUR  
ATMEGA48-20MU  
ATMEGA48-20MUR  
ATMEGA48A-MU  
ATMEGA48A-MUR  
ATMEGA48P-20MU  
ATMEGA48P-20MUR

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ATMEGA48PA-MN

ATMEGA48PA-MNR

ATMEGA48PA-MU

ATMEGA48PA-MUR

ATMEGA48PA-MURA5

ATMEGA48PV-10MU

ATMEGA48PV-10MUR

ATMEGA48V-10MU

ATMEGA48V-10MUR

ATMEGA48V-10MUR173

ATMEGA48V-10MUR348

ATMEGA48V-10MURA3

ATMEGA8-16MU

ATMEGA8-16MUR

ATMEGA88-20MU

ATMEGA88-20MUR

ATMEGA88-20MURA4

ATMEGA88A-MU

ATMEGA88A-MUR

ATMEGA88P-20MU

ATMEGA88P-20MUR

ATMEGA88PA-MN

ATMEGA88PA-MNR

ATMEGA88PA-MU

ATMEGA88PA-MUR

ATMEGA88PA-MURA06

ATMEGA88PA-MURA6

ATMEGA88PV-10MU

ATMEGA88PV-10MUR

ATMEGA88V-10MU

ATMEGA88V-10MUR

ATMEGA88V-10MUR360

ATMEGA88V-10MUR378

ATMEGA88V-10MUR379

ATMEGA88V-10MURA1

ATMEGA8A-MN

ATMEGA8A-MNR

ATMEGA8A-MU

ATMEGA8A-MUR

ATMEGA8A-MURA7

ATMEGA8L-8MU

ATMEGA8L-8MUA4

ATMEGA8L-8MUR

ATMEGA8L-8MURA3

ATMEGA8L-8MURA5

ATTINY26-16MQR

ATTINY26-16MU

ATTINY26-16MUR

ATTINY261A-MF

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ATTINY261A-MFK

ATTINY261A-MFRA0

ATTINY261A-MN

ATTINY261A-MNR

ATTINY261A-MU

ATTINY261A-MUR

ATTINY26L-8MU

ATTINY26L-8MUR

ATTINY28L-4MU

ATTINY28L-4MUR

ATTINY28V-1MU

ATTINY28V-1MUR

ATTINY461-20MU

ATTINY461-20MUR

ATTINY461-20MUR437

ATTINY461-20MUR553

ATTINY461A-MU

ATTINY461A-MUR

ATTINY461V-10MU

ATTINY461V-10MUR

ATTINY48-MU

ATTINY48-MUR

ATTINY48-MUR522

ATTINY48-MUR547

ATTINY861-20MU

ATTINY861-20MUR

ATTINY861-20MUR430

ATTINY861A-MU

ATTINY861A-MUR

ATTINY861V-10MU

ATTINY861V-10MUR

ATTINY88-MU

ATTINY88-MUR

ATTINY88-MURA1

QT60160-ISG

QT60240-ISG