



Product Change Notification - GBNG-05QUVX037

Date:

04 Mar 2019

Product Category:

8-bit Microcontrollers

Affected CPNs:**Notification subject:**

CCB 3496 and 3496.001 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel products of the 35.4K, 35.5K and 35.9K wafer technologies available in 64L TQFP (14x14x1.0mm) and 100L TQFP (14x14x1.0mm) packages.

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 an additional assembly site for selected Atmel products of the 35.4K, 35.5K and 35.9K wafer technologies available in 64L TQFP (14x14x1.0mm) and 100L TQFP (14x14x1.0mm) packages.

Pre Change:

Assembled in ASE using Au, PdCu or CuPdAu wire, CRM-1076WA or 2288A die attach, G631H mold compound and C7025 lead frame material or assembled in LPI using Au or CuPdAu wire, CRM-1033BF die attach, G700 mold compound and C194 lead frame material or assembled at ANAP using AuPd or PdCu wire, 3200 or AP4200 die attach, G700, G770Y or G631HQ mold compound and C194 lead frame material.

Post Change:

Assembled in ASE using Au, PdCu or CuPdAu wire, CRM-1076WA or 2288A die attach, G631H mold compound and C7025 lead frame material or assembled in LPI using Au or CuPdAu wire, CRM-1033BF die attach, G700 mold compound and C194 lead frame material or assembled at ANAP using AuPd or PdCu wire, 3200 or AP4200 die attach, G700, G770Y or G631HQ mold compound and C194 lead frame material or assembled in MMT using Au wire, 3280 die attach, G700 mold compound and C194 lead frame material.

Pre and Post Change Summary:

	Pre Change			Post Change			
Assembly Site	ASE Inc. Taiwan (ASE)	Lingsen Precision Industries, LTD. (LPI)	Amkor Technology Philippine (P1/P2), INC. (ANAP)	ASE Inc. Taiwan (ASE)	Lingsen Precision Industries, LTD. (LPI)	Amkor Technology Philippine (P1/P2), INC. (ANAP)*	Microchip Technology Thailand



																d (Branch) (MMT)
Wire material	AuPdCu	CuPd Au	CuPd Au	AuPd	PdCu	Au	PdCu	CuPd Au	CuPd Au	AuPd	PdCu	Au				
Die attach material	2288A	CRM-1076WA	CRM-1033BF	3230	AP4200	2288A*	CRM-1076WA	CRM-1033BF	3230	AP4200						3280
Molding compound material	G631H	G700	G700	G770Y	G631HQ	G631H	G700	G700L	G770Y	G631HQ						G700
Lead frame material	C7025	C194	C194	C194	C7025	C194	C194	C194	C194							C194
MSL Classification	MSL 3	MSL 3	MSL 3	MSL 3	MSL 3	MSL 3	MSL 3	MSL 3	MSL 3							MSL 3

Impacts to Data Sheet:

None

Change Impact:

None

Reason for Change:

To Improve on-time delivery performance by qualifying MMT as an additional assembly site.

Change Implementation Status:

In Progress

Estimated First Ship Date:

For 100L TQFP package: January 19, 2019 (date code: 1903)

For 64L TQFP package: March 30, 2019 (date code: 1913)

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

Time Table Summary:

	August 2018	->	December 2018	January 2019	February 2019	March 2019
Workweek	33	34	48	5	11	18
Initial PCN Issue Date	X					
Qual Report Availability			X			
Final PCN Issue Date			X			
Estimated Implementation Date				X		X

*For 64L TQFP package

Method to Identify Change:

Traceability code

**Qualification Report:**

Please open the attachments included with this PCN labeled as PCN_#_Qual Report.

Revision History:

August 09, 2018: Issued initial notification.

December 19, 2018: Issued final notification. Attached the qualification report. Provided estimated first ship date to be on January 19, 2019.

March 4, 2019: Re-issued final notification to update the subject and description because of the update in scope to include 64L TQFP package. Updated the affected CPN list in accordance with the update to the scope. Updated the pre and post change summary table MSL classification for MMT site from MSL 1 and 2 to MSL 3. Updated the pre and post change to add ANAP assembly site which is applicable for 64L TQFP package.

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-05QUVX037_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)

AT90CAN128-16AU
AT90CAN128-16AUR
AT90CAN32-16AU
AT90CAN32-16AUR
AT90CAN64-16AU
AT90CAN64-16AUR
AT90USB1286-AU
AT90USB1286-AUR
AT90USB1287-AU
AT90USB1287-AUR
AT90USB646-AU
AT90USB646-AUR
AT90USB647-AU
AT90USB647-AUR
ATHON169A-AUR
ATMEGA1280-16AU
ATMEGA1280-16AU-HCM
ATMEGA1280-16AUR
ATMEGA1280V-8AU
ATMEGA1280V-8AUR
ATMEGA1281-16AU
ATMEGA1281-16AUR
ATMEGA128-16AN
ATMEGA128-16ANR
ATMEGA128-16AU
ATMEGA128-16AUA4
ATMEGA128-16AUR
ATMEGA128-16AURA0
ATMEGA128-16AURA3
ATMEGA1281V-8AU
ATMEGA1281V-8AUR
ATMEGA128A-AN
ATMEGA128A-ANR
ATMEGA128A-AU
ATMEGA128A-AUA2
ATMEGA128A-AU-HCM
ATMEGA128A-AUR
ATMEGA128L-8AN
ATMEGA128L-8ANR
ATMEGA128L-8AU
ATMEGA128L-8AUA4
ATMEGA128L-8AUR
ATMEGA128L-8AURA3
ATMEGA128L-8AURA5
ATMEGA128L-8AURA6
ATMEGA165A-AU

GBNG-05QUVX037 - CCB 3496 and 3496.001 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel products of the 35.4K, 35.5K and 35.9K wafer technologies available in 64L TQFP (14x14x1.0mm) and 100L TQFP (14x14x1.0mm) packages.

ATMEGA165A-AUK

ATMEGA165P-16AN

ATMEGA165P-16ANR

ATMEGA165P-16AU

ATMEGA165P-16AUR

ATMEGA165PA-AU

ATMEGA165PA-AUR

ATMEGA165PV-8AN

ATMEGA165PV-8ANR

ATMEGA165PV-8AU

ATMEGA165PV-8AUR

ATMEGA169A-AU

ATMEGA169A-AUR

ATMEGA169P-16AU

ATMEGA169P-16AUR

ATMEGA169PA-AN

ATMEGA169PA-ANR

ATMEGA169PA-AU

ATMEGA169PA-AUR

ATMEGA169PV-8AU

ATMEGA169PV-8AUR

ATMEGA169PV-8AURA3

ATMEGA2560-16AUA0

ATMEGA2560-16AU-HCM

ATMEGA2560-16AUR

ATMEGA2560-16AURA0

ATMEGA2560V-8AU

ATMEGA2560V-8AUA0

ATMEGA2560V-8AUR

ATMEGA2560V-8AURA0

ATMEGA2561-16AU

ATMEGA2561-16AUA0

ATMEGA2561-16AUR

ATMEGA2561-16AURA0

ATMEGA2561V-8AU

ATMEGA2561V-8AUA0

ATMEGA2561V-8AUR

ATMEGA2561V-8AURA0

ATMEGA3250-16AU

ATMEGA3250-16AUR

ATMEGA3250A-AU

ATMEGA3250A-AUR

ATMEGA3250P-20AU

ATMEGA3250P-20AUR

ATMEGA3250PA-AU

ATMEGA3250PA-AUR

ATMEGA3250PV-10AU

ATMEGA3250PV-10AUR

ATMEGA3250V-8AU

GBNG-05QUVX037 - CCB 3496 and 3496.001 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel products of the 35.4K, 35.5K and 35.9K wafer technologies available in 64L TQFP (14x14x1.0mm) and 100L TQFP (14x14x1.0mm) packages.

ATMEGA3250V-8AUR

ATMEGA325-16AU

ATMEGA325-16AUR

ATMEGA325A-AN

ATMEGA325A-ANR

ATMEGA325A-AU

ATMEGA325A-AUR

ATMEGA325P-20AU

ATMEGA325P-20AUR

ATMEGA325P-20AURA0

ATMEGA325PA-AU

ATMEGA325PA-AUR

ATMEGA325PV-10AU

ATMEGA325PV-10AUR

ATMEGA325PV-10AURA1

ATMEGA325V-8AU

ATMEGA325V-8AUR

ATMEGA3290-16AU

ATMEGA3290-16AUR

ATMEGA3290A-AU

ATMEGA3290A-AUR

ATMEGA3290P-20AU

ATMEGA3290P-20AUR

ATMEGA3290PA-AU

ATMEGA3290PA-AUR

ATMEGA3290PV-10AU

ATMEGA3290PV-10AUA0

ATMEGA3290PV-10AUR

ATMEGA3290V-8AU

ATMEGA3290V-8AUR

ATMEGA329-16AU

ATMEGA329-16AUR

ATMEGA329A-AU

ATMEGA329A-AUR

ATMEGA329P-16AUR

ATMEGA329P-20ANR

ATMEGA329P-20AU

ATMEGA329P-20AUR

ATMEGA329PA-AU

ATMEGA329PA-AUR

ATMEGA329PV-10AU

ATMEGA329PV-10AUR

ATMEGA329PV-10AURA0

ATMEGA329V-8AU

ATMEGA329V-8AUR

ATMEGA640-16AU

ATMEGA640-16AUR

ATMEGA640-16AURA0

ATMEGA640V-8AU

GBNG-05QUVX037 - CCB 3496 and 3496.001 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel products of the 35.4K, 35.5K and 35.9K wafer technologies available in 64L TQFP (14x14x1.0mm) and 100L TQFP (14x14x1.0mm) packages.

ATMEGA640V-8AUK

ATMEGA64-16AU
ATMEGA64-16AUA0
ATMEGA64-16AUA2
ATMEGA64-16AUR
ATMEGA64-16AURA0
ATMEGA64-16AURA1
ATMEGA6450-16AU
ATMEGA6450-16AUR
ATMEGA6450A-AU
ATMEGA6450A-AUR
ATMEGA6450P-AU
ATMEGA6450P-AUR
ATMEGA6450V-8AU
ATMEGA6450V-8AUR
ATMEGA645-16AU
ATMEGA645-16AUR
ATMEGA645A-AU
ATMEGA645A-AUR
ATMEGA645P-AU
ATMEGA645P-AUR
ATMEGA645V-8AU
ATMEGA645V-8AUR
ATMEGA6490-16AU
ATMEGA6490-16AUR
ATMEGA6490A-AU
ATMEGA6490A-AUR
ATMEGA6490P-AU
ATMEGA6490P-AUR
ATMEGA6490V-8AU
ATMEGA6490V-8AUR
ATMEGA649-16AU
ATMEGA649-16AUR
ATMEGA649A-AU
ATMEGA649A-AUR
ATMEGA649P-AU
ATMEGA649P-AUR
ATMEGA649V-8AU
ATMEGA649V-8AUR
ATMEGA64A-AN
ATMEGA64A-ANR
ATMEGA64A-AU
ATMEGA64A-AUR
ATMEGA64L-8AQ
ATMEGA64L-8AQR
ATMEGA64L-8AQRA1
ATMEGA64L-8AU
ATMEGA64L-8AUA2
ATMEGA64L-8AUA4

ATMEGA64L-8AUR

ATMEGA64L-8AURA1
ATMEGA64L-8AURA3
ATXMEGA128A1-AU
ATXMEGA128A1-AUR
ATXMEGA128A1U-AN
ATXMEGA128A1U-ANR
ATXMEGA128A1U-AU
ATXMEGA128A1U-AUR
ATXMEGA128A3-AU
ATXMEGA128A3-AUR
ATXMEGA128A3U-AU
ATXMEGA128A3U-AUR
ATXMEGA128A3U-AURA0
ATXMEGA128B1-ANR
ATXMEGA128B1-AU
ATXMEGA128B1-AUR
ATXMEGA128B1-AURA0
ATXMEGA128B3-AN
ATXMEGA128B3-ANR
ATXMEGA128B3-AU
ATXMEGA128B3-AUR
ATXMEGA128C3-AN
ATXMEGA128C3-ANR
ATXMEGA128C3-AU
ATXMEGA128C3-AUR
ATXMEGA128D3-AN
ATXMEGA128D3-ANR
ATXMEGA128D3-AU
ATXMEGA128D3-AUA0
ATXMEGA128D3-AUA1
ATXMEGA128D3-AUR
ATXMEGA128D3-AURA1
ATXMEGA192A3-AU
ATXMEGA192A3-AUR
ATXMEGA192A3U-AN
ATXMEGA192A3U-ANR
ATXMEGA192A3U-AU
ATXMEGA192A3U-AUR
ATXMEGA192C3-AU
ATXMEGA192C3-AUR
ATXMEGA192D3-AU
ATXMEGA192D3-AUA0
ATXMEGA192D3-AUR
ATXMEGA192D3-AURA0
ATXMEGA192D3-AURA1
ATXMEGA256A3-AU
ATXMEGA256A3-AUR
ATXMEGA256A3B-AU

GBNG-05QUVX037 - CCB 3496 and 3496.001 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel products of the 35.4K, 35.5K and 35.9K wafer technologies available in 64L TQFP (14x14x1.0mm) and 100L TQFP (14x14x1.0mm) packages.

ATXMEGA256A3B-AUR

ATXMEGA256A3BU-AU

ATXMEGA256A3BU-AUR

ATXMEGA256A3U6L-AU

ATXMEGA256A3U-AN

ATXMEGA256A3U-ANR

ATXMEGA256A3U-AU

ATXMEGA256A3U-AUR

ATXMEGA256C3-AU

ATXMEGA256C3-AUA0

ATXMEGA256C3-AUR

ATXMEGA256C3-AURA0

ATXMEGA256D3-AU

ATXMEGA256D3-AUA0

ATXMEGA256D3-AUA1

ATXMEGA256D3-AUA3

ATXMEGA256D3-AUR

ATXMEGA256D3-AURA0

ATXMEGA256D3-AURA1

ATXMEGA256D3-AURA2

ATXMEGA256D3-AURA3

ATXMEGA32C3-AN

ATXMEGA32C3-ANR

ATXMEGA32C3-AU

ATXMEGA32C3-AUR

ATXMEGA32D3-AN

ATXMEGA32D3-ANR

ATXMEGA32D3-AU

ATXMEGA32D3-AUA0

ATXMEGA32D3-AUR

ATXMEGA384C3-AU

ATXMEGA384C3-AUR

ATXMEGA384D3-AU

ATXMEGA64A1-AU

ATXMEGA64A1-AUR

ATXMEGA64A1U-AU

ATXMEGA64A1U-AUR

ATXMEGA64A3-AU

ATXMEGA64A3-AUR

ATXMEGA64A3-AURA0

ATXMEGA64A3U-AU

ATXMEGA64A3U-AUR

ATXMEGA64B1-ANR

ATXMEGA64B1-AU

ATXMEGA64B1-AUA0

ATXMEGA64B1-AUR

ATXMEGA64B3-AN

ATXMEGA64B3-ANR

ATXMEGA64B3-AU

GBNG-05QUVX037 - CCB 3496 and 3496.001 Final Notice: Qualification of MMT as an additional assembly site for selected Atmel products of the 35.4K, 35.5K and 35.9K wafer technologies available in 64L TQFP (14x14x1.0mm) and 100L TQFP (14x14x1.0mm) packages.

ATXMEGA64B3-AUR

ATXMEGA64C3-AN

ATXMEGA64C3-ANR

ATXMEGA64C3-AU

ATXMEGA64C3-AUR

ATXMEGA64D3-AN

ATXMEGA64D3-ANR

ATXMEGA64D3-AU

ATXMEGA64D3-AUA1

ATXMEGA64D3-AUA2

ATXMEGA64D3-AUA3

ATXMEGA64D3-AUA4

ATXMEGA64D3-AUR

ATXMEGA64D3-AURA0

ATXMEGA64D3-AURA2

ATXMEGA64D3-AURA3

ATXMEGA64D3-AURA4

ATXMEGA64D3-AURA6