



## Product Change Notification - GBNG-06LXXH156

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**Date:**

25 Jun 2018

**Product Category:**

8-bit PIC Microcontrollers

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

CCB 2856 Final Notice: Qualification of Microchip Fabrication site (FAB 4) for selected Atmel products manufactured with the 59.91K process technology.

**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 Microchip Fabrication site (FAB 4) for selected Atmel products manufactured with the 59.91K process technology.

**Pre Change:**

Fabricated at UMC5 and TPS5 fabrication sites using 8 inch wafers.

**Post Change:**

Fabricated at Microchip Fabrication site (FAB 4) using 8 inch wafers.

**Pre and Post Change Summary:**

Fab Site	Pre Change		Post Change
	UMC5	TPS5	Microchip Fabrication site (FAB 4)
Wafer Size	8 inch wafers	8 inch wafers	8 inch wafers
Quality Certification	ISO/TS16949	ISO/TS16949	ISO/TS16949
Design/Layout	No Change	No Change	No Change
Die Size	No Change	No Change	No Change

**Impacts to Data Sheet:**

None

**Change Impact:**

None

**Reason for Change:**

To improve on time delivery performance by qualifying Microchip Fabrication site (FAB 4)

**Change Implementation Status:**

In progress

**Estimated First Ship Date:**

June 2, 2018 (date code: 1822)

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

**Time Table Summary:**



	March 2017				->	May 2018				June 2018				
Workweek	10	11	12	13		18	19	20	21	22	23	24	25	26
Initial PCN Issue Date		X												
Qualification Report Availability														
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:**

**March 13, 2017:** Issued initial notification.

**March 20, 2017:** Re-issued the initial notification. Revised the initial PCN by narrowing the scope to affect only the ATMEGA168PB device family manufactured with the 59.91K process technology which is reflected in the subject, description, and the affected parts list.

**December 11, 2017:** Re-issued the initial notification. Revised the affected parts list and estimated qualification completion date.

**March 22, 2018:** Revised the initial notification to update the affected parts list and remove parts that are not in of the scope.

**May 2, 2018:** Issued final notification. Attached the Qualification Report. Revised the affected parts list. Provided estimated first ship date on June 2, 2018.

**June 25, 2018:** Re-issued final notification. Revised the affected parts list.

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-06LXXH156\\_Qual\\_Report.pdf](#)

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

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Affected Catalog Part Numbers (CPN)

ATMEGA168PB-MU  
ATMEGA168PB-AU  
ATMEGA168PB-MN  
ATMEGA168PB-AN  
ATMEGA168PB-MNR  
ATMEGA168PB-ANR  
ATMEGA168PB-MUR  
ATMEGA168PB-AUR  
ATMEGA88PB-MU  
ATMEGA48PB-MU  
ATMEGA88PB-AU  
ATMEGA48PB-AU  
ATMEGA88PB-MN  
ATMEGA48PB-MN  
ATMEGA88PB-AN  
ATMEGA48PB-AN  
ATMEGA88PB-MNR  
ATMEGA48PB-MNR  
ATMEGA88PB-ANR  
ATMEGA48PB-ANR  
ATMEGA88PB-MUR  
ATMEGA48PB-MUR  
ATMEGA88PB-MURB75  
ATMEGA88PB-AUR  
ATMEGA48PB-AUR  
ATMEGA328P-AUA1  
ATMEGA328-MURA1  
ATMEGA328P-MURA1  
ATMEGA328-AURA1  
ATMEGA328P-AURA1  
ATMEGA328PB-MU  
ATMEGA328PB-AU  
ATMEGA328PB-MN  
ATMEGA328PB-AN  
ATMEGA328PB-MNR  
ATMEGA328PB-ANR  
ATMEGA328PB-MUR  
ATMEGA328PB-AUR  
ATMEGA324PB-MU  
ATMEGA324PB-AU  
ATMEGA324PB-MN  
ATMEGA324PB-AN  
ATMEGA324PB-MNR  
ATMEGA324PB-ANR  
ATMEGA324PB-MUR  
ATMEGA324PB-AUR

ATTINY212-SSNR  
ATTINY412-SSNR  
ATTINY214-SSNR  
ATTINY414-SSNR  
ATTINY404-SSNR  
ATTINY204-SSNR  
ATTINY416-SNR  
ATTINY406-SNR  
ATTINY416-MNR  
ATTINY406-MNR  
ATTINY212-SSFR  
ATTINY414-SSFR  
ATTINY404-SSFR  
ATTINY214-SSFR  
ATTINY204-SSFR  
ATTINY416-SFR  
ATTINY406-SFR  
ATTINY406-MFR  
ATTINY416-MFR  
ATTINY1617-MF  
ATTINY1617-MN  
ATTINY1614-SSNR  
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ATTINY1617-MNR  
ATTINY1614-SSFR  
ATTINY1616-SFR  
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ATTINY1617-MFR  
ATTINY816-MF  
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ATTINY817-MN  
ATTINY814-SSNR  
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ATTINY817-MNR  
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ATTINY814-SSFR  
ATTINY816-SFR  
ATTINY816-MFR  
ATTINY817-MFR  
ATTINY417-MFR  
ATMEGA4809-MFR  
ATMEGA3209-MFR  
ATMEGA4808-MFR  
ATMEGA3208-MFR  
ATMEGA4808-AFR  
ATMEGA3208-AFR

ATMEGA4809-AFR

ATMEGA3209-AFR