



## Product Change Notification - GBNG-06LXXH156

**Date:**

02 May 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:**

	Pre Change		Post Change
Fab Site	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.

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.

**Terms and Conditions:**

If you wish to change your product/process change notification (PCN) profile please log on to our website at [microchip.com/PCN](#) sign into myMICROCHIP to open the myMICROCHIP home page, then select a profile option from the left navigation bar.

To opt out of future offer or information emails (other than product change notification emails), click here to go to [microchip DIRECT](#) and login, then click on the "My account" link, click on "Update profile" and un-check the box that states "Future offers or information about Microchip's



products or services."

Affected Catalog Part Numbers (CPN)

ATMEGA168-20AUR  
ATMEGA168-20MQ  
ATMEGA168-20MQR  
ATMEGA168-20MUR  
ATMEGA168A-AU  
ATMEGA168A-AUR  
ATMEGA168A-MU  
ATMEGA168A-MUR  
ATMEGA168P-20AN  
ATMEGA168P-20ANR  
ATMEGA168P-20AUR  
ATMEGA168P-20MQ  
ATMEGA168P-20MQR  
ATMEGA168P-20MUR  
ATMEGA168PA-AN  
ATMEGA168PA-ANR  
ATMEGA168PA-AU  
ATMEGA168PA-AUR  
ATMEGA168PA-MN  
ATMEGA168PA-MNR  
ATMEGA168PA-MU  
ATMEGA168PA-MUR  
ATMEGA168PB-AN  
ATMEGA168PB-ANR  
ATMEGA168PB-AU  
ATMEGA168PB-AUR  
ATMEGA168PB-MN  
ATMEGA168PB-MNR  
ATMEGA168PB-MU  
ATMEGA168PB-MUR  
ATMEGA168PV-10AN  
ATMEGA168PV-10AUR  
ATMEGA168PV-10MUR  
ATMEGA168V-10AUR  
ATMEGA168V-10MQ  
ATMEGA168V-10MQR  
ATMEGA168V-10MUR  
ATMEGA324PB-AN  
ATMEGA324PB-ANR  
ATMEGA324PB-AU  
ATMEGA324PB-AUR  
ATMEGA324PB-MN  
ATMEGA324PB-MNR  
ATMEGA324PB-MU  
ATMEGA324PB-MUR  
ATMEGA328-AU  
ATMEGA328-AUR

ATMEGA328-MU  
ATMEGA328-MUR  
ATMEGA328-MURA1  
ATMEGA328P-AU  
ATMEGA328P-AUA1  
ATMEGA328P-AUR  
ATMEGA328P-AURA1  
ATMEGA328PB-AN  
ATMEGA328PB-ANR  
ATMEGA328PB-AU  
ATMEGA328PB-AUR  
ATMEGA328PB-MN  
ATMEGA328PB-MNR  
ATMEGA328PB-MU  
ATMEGA328PB-MUR  
ATMEGA328P-MU  
ATMEGA328P-MUR  
ATMEGA328P-MURA1  
ATMEGA48-20AU  
ATMEGA48-20MU  
ATMEGA48-20MUR  
ATMEGA48A-AU  
ATMEGA48A-AUR  
ATMEGA48A-MU  
ATMEGA48A-MUR  
ATMEGA48P-20AU  
ATMEGA48P-20AUR  
ATMEGA48P-20MU  
ATMEGA48P-20MUR  
ATMEGA48PA-AU  
ATMEGA48PA-AUR  
ATMEGA48PA-MU  
ATMEGA48PA-MUR  
ATMEGA48PB-AN  
ATMEGA48PB-ANR  
ATMEGA48PB-AU  
ATMEGA48PB-AUR  
ATMEGA48PB-MN  
ATMEGA48PB-MNR  
ATMEGA48PB-MU  
ATMEGA48PB-MUR  
ATMEGA48PV-10AU  
ATMEGA48PV-10AUR  
ATMEGA48PV-10MU  
ATMEGA48PV-10MUR  
ATMEGA48V-10MU  
ATMEGA48V-10MUR  
ATMEGA88-20AU  
ATMEGA88-20MU

ATMEGA88A-AU  
ATMEGA88A-AUR  
ATMEGA88A-MU  
ATMEGA88A-MUR  
ATMEGA88P-20AU  
ATMEGA88P-20AUR  
ATMEGA88P-20MU  
ATMEGA88P-20MUR  
ATMEGA88PA-AU  
ATMEGA88PA-AUR  
ATMEGA88PA-MU  
ATMEGA88PA-MUR  
ATMEGA88PB-AN  
ATMEGA88PB-ANR  
ATMEGA88PB-AU  
ATMEGA88PB-AUR  
ATMEGA88PB-MN  
ATMEGA88PB-MNR  
ATMEGA88PB-MU  
ATMEGA88PB-MUR  
ATMEGA88PB-MURB75  
ATMEGA88PV-10AU  
ATMEGA88PV-10AUR  
ATMEGA88PV-10MU  
ATMEGA88PV-10MUR  
ATMEGA88V-10MU  
ATMEGA88V-10MUR  
ATTINY1614-SSFR  
ATTINY1614-SSNR  
ATTINY1616-MFR  
ATTINY1616-MNR  
ATTINY1616-SFR  
ATTINY1616-SNR  
ATTINY1617-MFR  
ATTINY1617-MNR  
ATTINY212-SSFR  
ATTINY212-SSNR  
ATTINY214-SSFR  
ATTINY214-SSNR  
ATTINY414-SSFR  
ATTINY414-SSNR  
ATTINY416-MFR  
ATTINY416-MNR  
ATTINY416-SFR  
ATTINY416-SNR  
ATTINY417-MFR  
ATTINY417-MNR  
ATTINY814-SSFR  
ATTINY814-SSNR

ATTINY816-MNR

ATTINY816-SFR

ATTINY816-SNR

ATTINY817-MFR

ATTINY817-MNR