

Product Change Notification - GBNG-06LXXH156

Date: 13 Mar 2017
Notification subject: CCB 2856 Initial Notice: Qualification of Microchip Fabrication site (FAB 4) for Atmel products manufactured with the 59.91K process technology.

Notification text:
PCN Status:
 Initial notification

Microchip Parts Affected:
 Please open the attachments found in the attachments field below labeled as PCN_#_Affected_CPN.

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 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 capacity issue at UMC5 and TPS5 by qualifying Microchip Fabrication site (FAB 4).

Change Implementation Status:
 In progress

Estimated Qualification Completion Date:
 June 30, 2017

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date.

Time Table Summary:

| | March 2017 | | | | -> | June 2017 | | | | |
|-----------------------------------|------------|----|----|----|----|-----------|----|----|----|----|
| Workweek | 10 | 11 | 12 | 13 | | 22 | 23 | 24 | 25 | 26 |
| Initial PCN Issue Date | | X | | | | | | | | |
| Qualification Report Availability | | | | | | | | | | X |
| Final PCN Issue Date | | | | | | | | | | X |

Method to Identify Change:
Traceability code

Qualification Plan:
Please open the attachments included with this PCN labeled as PCN_#_Qual Plan.

Revision History:
March 13, 2017: Issued initial notification.

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_Plan1.pdf](#)
 - [PCN_GBNG-06LXXH156_Affected CPN.pdf](#)
 - [PCN_GBNG-06LXXH156_Affected CPN.xlsx](#)

Please contact your local **Microchip sales office** with questions or concerns regarding this notification.

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Affected Catalog Part Numbers (CPN)

| PCN_GBNG-06LXXH156 |
|-----------------------------|
| Catalog Part Numbers |
| 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-AN |
| ATMEGA168PB-ANR |
| ATMEGA168PB-ANR |
| ATMEGA168PB-AU |
| ATMEGA168PB-AU |
| ATMEGA168PB-AU |
| ATMEGA168PB-AUR |
| ATMEGA168PB-AUR |
| ATMEGA168PB-AUR |
| ATMEGA168PB-AUR |
| ATMEGA168PB-MN |
| ATMEGA168PB-MN |
| ATMEGA168PB-MNR |
| ATMEGA168PB-MNR |
| ATMEGA168PB-MU |
| ATMEGA168PB-MU |
| ATMEGA168PB-MU |
| ATMEGA168PB-MUR |
| ATMEGA168PB-MUR |
| ATMEGA168PB-MUR |

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|-------------------|
| ATMEGA168PB-MUR |
| ATMEGA168PV-10AN |
| ATMEGA168PV-10AUR |
| ATMEGA168PV-10MUR |
| ATMEGA168V-10AUR |
| ATMEGA168V-10MQ |
| ATMEGA168V-10MQR |
| ATMEGA168V-10MUR |
| ATMEGA328-AU |
| ATMEGA328-AUR |
| ATMEGA328-AURA1 |
| ATMEGA328-MU |
| ATMEGA328-MUR |
| ATMEGA328-MURA1 |
| ATMEGA328P-AU |
| ATMEGA328P-AUA1 |
| ATMEGA328P-AUR |
| ATMEGA328P-AURA1 |
| ATMEGA328PB-AN |
| ATMEGA328PB-AN |
| ATMEGA328PB-ANR |
| ATMEGA328PB-ANR |
| ATMEGA328PB-AU |
| ATMEGA328PB-AU |
| ATMEGA328PB-AUR |
| ATMEGA328PB-AUR |
| ATMEGA328PB-MN |
| ATMEGA328PB-MN |
| ATMEGA328PB-MNR |
| ATMEGA328PB-MNR |
| ATMEGA328PB-MU |
| ATMEGA328PB-MU |
| ATMEGA328PB-MUR |
| ATMEGA328PB-MUR |
| ATMEGA328P-MU |
| ATMEGA328P-MUR |
| ATMEGA328P-MURA1 |
| ATMEGA48-20AU |
| ATMEGA48-20MU |
| ATMEGA48-20MUR |
| ATMEGA48A-AU |
| ATMEGA48A-AUR |
| ATMEGA48A-MU |
| ATMEGA48A-MUR |
| ATMEGA48P-20AU |

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Affected Catalog Part Numbers (CPN)

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|------------------|
| ATMEGA48P-20AUR |
| ATMEGA48P-20MU |
| ATMEGA48P-20MUR |
| ATMEGA48PA-AU |
| ATMEGA48PA-AUR |
| ATMEGA48PA-MU |
| ATMEGA48PA-MUR |
| ATMEGA48PB-AN |
| ATMEGA48PB-AN |
| ATMEGA48PB-ANR |
| ATMEGA48PB-ANR |
| ATMEGA48PB-AU |
| ATMEGA48PB-AU |
| ATMEGA48PB-AUR |
| ATMEGA48PB-AUR |
| ATMEGA48PB-MN |
| ATMEGA48PB-MN |
| ATMEGA48PB-MNR |
| ATMEGA48PB-MNR |
| ATMEGA48PB-MU |
| ATMEGA48PB-MU |
| ATMEGA48PB-MUR |
| ATMEGA48PB-MUR |
| ATMEGA48PV-10AU |
| ATMEGA48PV-10AUR |
| ATMEGA48PV-10MU |
| ATMEGA48PV-10MUR |
| ATMEGA48V-10MU |
| ATMEGA48V-10MUR |
| ATMEGA8-16AU |
| ATMEGA8-16AU |
| ATMEGA8-16AUR |
| ATMEGA8-16AUR |
| ATMEGA8-16MU |
| ATMEGA8-16MU |
| ATMEGA8-16MUR |
| ATMEGA8-16MUR |
| ATMEGA88-20AU |
| ATMEGA88-20MU |
| ATMEGA88-20MUR |
| ATMEGA88A-AU |
| ATMEGA88A-AUR |
| ATMEGA88A-MU |
| ATMEGA88A-MUR |
| ATMEGA88P-20AU |

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| |
|-------------------|
| ATMEGA88P-20AUR |
| ATMEGA88P-20MU |
| ATMEGA88P-20MUR |
| ATMEGA88PA-AU |
| ATMEGA88PA-AUR |
| ATMEGA88PA-MU |
| ATMEGA88PA-MUR |
| ATMEGA88PB-AN |
| ATMEGA88PB-AN |
| ATMEGA88PB-ANR |
| ATMEGA88PB-ANR |
| ATMEGA88PB-AU |
| ATMEGA88PB-AU |
| ATMEGA88PB-AUR |
| ATMEGA88PB-AUR |
| ATMEGA88PB-MN |
| ATMEGA88PB-MN |
| ATMEGA88PB-MNR |
| ATMEGA88PB-MNR |
| ATMEGA88PB-MU |
| ATMEGA88PB-MU |
| ATMEGA88PB-MUR |
| ATMEGA88PB-MUR |
| ATMEGA88PB-MURB75 |
| ATMEGA88PV-10AU |
| ATMEGA88PV-10AUR |
| ATMEGA88PV-10MU |
| ATMEGA88PV-10MUR |
| ATMEGA88V-10MU |
| ATMEGA88V-10MUR |
| ATMEGA8A-AU |
| ATMEGA8A-AU |
| ATMEGA8A-AUR |
| ATMEGA8A-AUR |
| ATMEGA8A-MU |
| ATMEGA8A-MU |
| ATMEGA8A-MUR |
| ATMEGA8A-MUR |
| ATMEGA8L-8AU |
| ATMEGA8L-8AU |
| ATMEGA8L-8AUR |
| ATMEGA8L-8AUR |
| ATMEGA8L-8MU |
| ATMEGA8L-8MU |
| ATMEGA8L-8MUR |

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Affected Catalog Part Numbers (CPN)

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|----------------|
| ATMEGA8L-8MUR |
| ATTINY417-MFR |
| ATTINY417-MNR |
| ATTINY814-SSFR |
| ATTINY814-SSNR |
| ATTINY816-MFR |
| ATTINY816-MFR |
| ATTINY816-MNR |
| ATTINY816-SFR |
| ATTINY816-SNR |
| ATTINY817-MFR |
| ATTINY817-MFR |
| ATTINY817-MFR |
| ATTINY817-MNR |