



Product Change Notification / MAAN-18LNHT985

Date:

27-Sep-2023

Product Category:

8-bit Microcontrollers, Capacitive Touch Sensors

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6565 Initial Notice: Qualification of Microchip Technology Gresham – Fab 4 (GRTM) as an additional fabrication site for selected AT42QT1xx, AT90PWM81xx, ATMEGA128xx, ATMEGA16xx, ATMEGA32xx, ATMEGA64xx, ATMEGA8xx and ATTINYxx device families available in various packages.

Affected CPNs:

[MAAN-18LNHT985_Affected_CPN_09272023.pdf](#)

[MAAN-18LNHT985_Affected_CPN_09272023.csv](#)

Notification Text:

PCN Status:Initial Notification

PCN Type:Manufacturing Change

Microchip Parts Affected:Please open one of the files found in the Affected CPNs section.

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

Description of Change:Qualification of Microchip Technology Gresham – Fab 4 (GRTM) as an additional fabrication site for selected AT42QT1xx, AT90PWM81xx, ATMEGA128xx, ATMEGA16xx, ATMEGA32xx, ATMEGA64xx, ATMEGA8xx and ATTINYxx device families available in various packages.

Pre and Post Change Summary:

	Pre Change	Post Change	
Fabrication Site	Microchip Technology Tempe – Fab 2 (TMGR)	Microchip Technology Tempe – Fab 2 (TMGR)	Microchip Technology Gresham – Fab 4 (GRTM)
Wafer Diameter	8 inch	8 inch	8 inch

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve on-time delivery performance by qualifying Microchip Technology Gresham – Fab 4 (GRTM) as an additional fabrication site.

Change Implementation Status:In Progress

Estimated Qualification Completion Date:December 2023

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. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	September 2023					>	December 2023				
Workweek	3 5	3 6	3 7	3 8	3 9		48	49	50	51	52
Initial PCN Issue Date					x						
Qual 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:September 27, 2023: 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.

Attachments:

[PCN_MAAN-18LNHT985_Qual Plan.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)

ATMEGA6450P-AUR
ATMEGA649A-MUR
ATMEGA645P-MUR
ATMEGA645A-MUR
ATMEGA649P-MUR
ATMEGA649A-AUR
ATMEGA645A-AUR
ATMEGA645P-AUR
ATMEGA649P-AUR
ATMEGA3250PA-AU
ATMEGA3290A-AU
ATMEGA3250A-AU
ATMEGA3290PA-AU
ATMEGA329A-MU
ATMEGA329PA-MU
ATMEGA325A-MU
ATMEGA325PA-MU
ATMEGA329PA-AU
ATMEGA325A-AU
ATMEGA325PA-AU
ATMEGA329A-AU
ATMEGA325A-MN
ATMEGA325A-AN
ATMEGA325A-MNR
ATMEGA325A-ANR
ATMEGA3250PA-AUR
ATMEGA3290A-AUR
ATMEGA3250A-AUR
ATMEGA3290PA-AUR
ATMEGA329PA-MUR
ATMEGA325A-MUR
ATMEGA325PA-MUR
ATMEGA325PA-AUR
ATMEGA329A-AUR
ATMEGA329PA-AUR
ATMEGA325A-AUR
ATMEGA169PA-MCH
ATMEGA165PA-MU
ATMEGA165A-MU
ATMEGA169PA-MU
ATMEGA169A-MU
ATMEGA165PA-AU
ATMEGA169PA-AU
ATMEGA169A-AU
ATMEGA165A-AU
ATMEGA165PA-MN

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ATMEGA169PA-MN

ATMEGA169PA-AN

ATMEGA169PA-MNR

ATMEGA165PA-MNR

ATMEGA169PA-ANR

ATMEGA169PA-MCHR

ATMEGA165PA-MUR

ATMEGA165A-MUR

ATMEGA169A-MUR

ATMEGA169PA-MUR

ATMEGA165PA-AUR

ATMEGA165A-AUR

ATMEGA169A-AUR

ATMEGA169PA-AUR

ATMEGA328P-W-NG

ATTINY88-MURA1

ATMEGA8A-AU744

ATMEGA8A-MURA7

ATMEGA328P-MUA2

AT90PWM81OS-B16SNR

ATMEGA168PA-MUA2

ATMEGA168PA-MURA2

ATMEGA8L-8AURA5

ATMEGA324A-AURA3

ATMEGA88PA-MURA6

ATMEGA328P-AURA0

ATMEGA164A-AUA2

ATMEGA164A-AURA2

ATMEGA1284P-PU

ATMEGA1284-PU

ATMEGA1284P-MU

ATMEGA1284-MU

ATMEGA1284P-AU

ATMEGA1284-AU

ATMEGA1284P-MUR

ATMEGA1284-MUR

ATMEGA1284P-AUR

ATMEGA1284-AUR

ATTINY88-PU

ATTINY88-MMU

ATTINY88-MMH

ATTINY88-MU

ATTINY88-AU

ATTINY88-MMUR

ATTINY88-MMHR

ATTINY88-MUR

AT42QT1110-MUR

AT42QT2100-MUR

ATTINY88-AUR

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AT42QT111U-AUR

ATMEGA128-16MU

ATMEGA128A-MU

ATMEGA128L-8MU

ATMEGA128L-8AU

ATMEGA128A-AU

ATMEGA128-16AU

ATMEGA128L-8MN

ATMEGA128A-MN

ATMEGA128-16MN

ATMEGA128-16AN

ATMEGA128A-AN

ATMEGA128-16MNR

ATMEGA128L-8MNR

ATMEGA128A-MNR

ATMEGA128-16ANR

ATMEGA128L-8ANR

ATMEGA128A-ANR

ATMEGA128A-MUR

ATMEGA128L-8MUR

ATMEGA128-16MUR

ATMEGA128A-AUR

ATMEGA128L-8AUR

ATMEGA128L-8AURA6

ATMEGA128-16AURA0

ATMEGA128-16AUR

ATMEGA324PA-CU

ATMEGA324A-CU

ATMEGA324A-PU

ATMEGA324PA-PU

ATMEGA324A-MCH

ATMEGA324PA-MCH

ATMEGA324PA-MU

ATMEGA324A-MU

ATMEGA324PA-AU

ATMEGA324A-AU

ATMEGA324PA-PN

ATMEGA324PA-MN

ATMEGA324PA-AN

ATMEGA324PA-MNR

ATMEGA324PA-ANR

ATMEGA324PA-MCHR

AT42QT5480-MUR

AT42QT18C15-MUR

ATMEGA324PA-MUR

ATMEGA324A-MUR

ATMEGA324PA-AUR

ATMEGA324A-AUR

ATTINY13A-SF

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ATTINY13A-MMF

ATTINY13A-SSH

ATTINY13A-SSU

ATTINY13A-SU

ATTINY13A-PU

ATTINY13A-MMU

ATTINY13A-MU

ATTINY13A-SS7

ATTINY13A-SN

ATTINY13A-SS7R

ATTINY13A-SNR

ATTINY13A-SSHR

ATTINY13A-SSUR

ATTINY13A-SUR

ATTINY13A-SURA4

ATTINY13A-MMUR

ATTINY13A-MUR

ATTINY13A-SFR

ATTINY13A-MMFR

ATMEGA16A-PU

ATMEGA16L-8PU

ATMEGA16L-8MU

ATMEGA16-16MU

ATMEGA16A-MU

ATMEGA16A-AU

ATMEGA16-16AU

AT42QT2640-AU

AT42QT1481-AU

ATMEGA16L-8AU

AT42QT1481-AN

AT42QT1481-ANR

ATMEGA16A-MUR

ATMEGA16L-8MUR

ATMEGA16-16MUR

ATMEGA16A-AUR

ATMEGA16-16AUR

ATMEGA16L-8AUR

AT42QT2640-AUR

AT42QT1481-AUR

ATMEGA32A-PU

ATMEGA32A-MU

ATMEGA32-16MU

ATMEGA32A-AU

ATMEGA32-16AU

ATMEGA32L-8AU

ATMEGA32A-PN

ATMEGA32A-MN

ATMEGA32A-AN

ATMEGA32A-MNR

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ATMEGA32A-ANR

ATMEGA32A-MUR

ATMEGA32L-8MUR

ATMEGA32-16MUR

ATMEGA32A-AUR

ATMEGA32A-AURA5

ATMEGA32L-8AUR

ATMEGA32-16AUR

ATMEGA64A-MU

ATMEGA64-16MU

ATMEGA64L-8MU

ATMEGA64A-AU

ATMEGA64-16AU

ATMEGA64L-8AU

ATMEGA64-16AUA0

ATMEGA64A-MN

ATMEGA64A-AN

ATMEGA64A-ANR

ATMEGA64A-MUR

ATMEGA64-16MUR

ATMEGA64L-8MUR

ATMEGA64A-AUR

ATMEGA64-16AUR

ATMEGA64L-8AUR

ATMEGA64-16AURA0

ATTINY48-PU

ATTINY48-MMU

ATTINY48-MMH

ATTINY48-MU

ATTINY48-AU

ATTINY48-MMUR

ATTINY48-MMHR

ATTINY48-MUR

ATTINY48-AUR

ATMEGA88A-PU

ATMEGA88PA-PU

ATMEGA88PA-MMH

ATMEGA88A-MMH

ATMEGA88PA-MU

ATMEGA88A-MU

ATMEGA88PA-AU

ATMEGA88A-AU

ATMEGA88PA-PN

ATMEGA88PA-MMN

ATMEGA88PA-MN

ATMEGA88PA-AN

ATMEGA88PA-MMNR

ATMEGA88PA-MNR

ATMEGA88PA-ANR

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ATMEGA88PA-MMUR

ATMEGA48A-MMHR

ATMEGA48PA-MUR

ATMEGA48A-MUR

ATMEGA48A-AUR

ATMEGA48PA-AUR

ATMEGA48PA-AURB0

ATMEGA644A-PU

ATMEGA644PA-PU

ATMEGA644PA-MU

ATMEGA644A-MU

ATMEGA644A-AU

ATMEGA644PA-AU

ATMEGA644PA-MN

ATMEGA644PA-AN

ATMEGA644PA-MNR

ATMEGA644PA-ANR

ATMEGA644PA-MUR

ATMEGA644A-MUR

ATMEGA644A-AUR

ATMEGA644PA-AUR

ATMEGA16U4-MU

ATMEGA32U4-MU

ATMEGA32U4RC-MU

ATMEGA16U4-AU

ATMEGA32U4-AU

ATMEGA32U4RC-AU

ATMEGA16U4RC-AU

ATMEGA16U4-MUR

ATMEGA32U4-MUR

ATMEGA32U4RC-MUR

ATMEGA16U4-AUR

ATMEGA32U4-AUR

ATMEGA32U4RC-AUR

AT90PWM81-16MF

AT90PWM81EP-16MN

AT90PWM81-16MN

AT90PWM81OS-B16MNR

ATMEGA16U2-MU

ATMEGA8U2-MU

ATMEGA16U2-AU

ATMEGA8U2-AU

ATMEGA16U2-MUR

ATMEGA8U2-MUR

ATMEGA16U2-AUR

ATMEGA8U2-AUR

ATMEGA6450A-AU

ATMEGA6490A-AU

ATMEGA6490P-AU

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ATMEGA6450P-AU

ATMEGA645P-MU

ATMEGA649A-MU

ATMEGA645A-MU

ATMEGA649P-MU

ATMEGA649A-AU

ATMEGA645A-AU

ATMEGA645P-AU

ATMEGA649P-AU

ATMEGA6450A-AUR

ATMEGA6490A-AUR

ATMEGA6490P-AUR

ATMEGA88PA-MMHR

ATMEGA88A-MMHR

ATMEGA88PA-MUR

ATMEGA88A-MUR

ATMEGA88PA-AUR

ATMEGA88PA-AURA3

ATMEGA88A-AUR

ATMEGA168A-PU

ATMEGA168PA-PU

ATMEGA168PA-MMH

ATMEGA168A-MMH

ATMEGA168PA-MU

ATMEGA168A-MU

ATMEGA168PA-AU

ATMEGA168A-AU

ATMEGA168PA-PN

ATMEGA168PA-MN

ATMEGA168PA-AN

ATMEGA168PA-MNR

ATMEGA168PA-ANR

ATMEGA168PA-MMHR

ATMEGA168A-MMHR

ATMEGA168PA-MUR

ATMEGA168A-MUR

ATMEGA168PA-AUR

ATMEGA168A-AUR

ATTINY861A-XU

ATTINY861A-SU

ATTINY861A-PU

ATTINY861A-MU

ATTINY861A-XUR

ATTINY861A-SUR

ATTINY861A-MUR

ATTINY44A-SSF

ATTINY44A-MF

ATTINY44A-CCU

ATTINY44A-PU

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ATTINY44A-SSU

ATTINY44A-MMH

ATTINY44A-MU

ATTINY44A-SSN

ATTINY44A-SSNR

ATTINY44A-CCUR

ATTINY44A-SSUR

ATTINY44A-SSURB09

ATTINY44A-SSURA0

AT42QT1040-MMHR

ATTINY44A-MMHR

ATTINY44A-MUR

ATTINY44A-MUR861

ATTINY44A-SSFRP01

ATTINY44A-SSFR

ATTINY44A-MFR

ATTINY44A-MFRA0

ATMEGA8L-8PU

ATMEGA8A-PU

ATMEGA8-16PU

ATMEGA8A-MU

ATMEGA8-16MU

ATMEGA8L-8MU

ATMEGA8A-AU

ATMEGA8L-8AU

ATMEGA8-16AU

ATMEGA8A-AU-HCM

ATMEGA8A-PN

ATMEGA8A-MN

ATMEGA8A-AN

ATMEGA8A-MNR

ATMEGA8A-ANR

ATMEGA8-16MUR

ATMEGA8L-8MUR

ATMEGA8A-MUR

ATMEGA8A-AUR

ATMEGA8-16AUR

ATMEGA8L-8AUR

ATTINY24A-SSF

ATTINY24A-MM8

ATTINY24A-MF

ATTINY24A-CCU

ATTINY24A-PU

ATTINY24A-SSU

ATTINY24A-MMH

ATTINY24A-MU

ATTINY24A-SSN

ATTINY24A-SSNR

ATTINY24A-CCUR

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ATTINY24A-SSUR

ATTINY24A-SSUR880

ATTINY24A-SSURA0

ATTINY24A-MMHR

ATTINY24A-MUR

ATTINY24A-MURA0

ATTINY24A-SSFR

ATTINY24A-MM8R

ATTINY24A-MFR

ATMEGA328P-PU

ATMEGA328-PU

ATMEGA328P-MMH

ATMEGA328-MMH

ATMEGA328P-MU

ATMEGA328-MU

ATMEGA328-AU

ATMEGA328P-AU

ATMEGA328P-PN

ATMEGA328P-MN

ATMEGA328P-AN

ATMEGA328P-MNR

ATMEGA328P-ANR

ATMEGA328P-MMHR

ATMEGA328-MMHR

ATMEGA328P-MUR

ATMEGA328-MUR

ATMEGA328-AUR

ATMEGA328P-AUR

ATMEGA164A-CU

ATMEGA164PA-CU

ATMEGA164A-PU

ATMEGA164PA-PU

ATMEGA164A-MCH

ATMEGA164PA-MCH

ATMEGA164A-MU

ATMEGA164PA-MU

ATMEGA164PA-AU

ATMEGA164A-AU

ATMEGA164PA-MN

ATMEGA164PA-AN

ATMEGA164PA-MNR

ATMEGA164PA-ANR

ATMEGA164A-CUR

ATMEGA164PA-CUR

ATMEGA164A-MCHR

ATMEGA164PA-MCHR

ATMEGA164A-MUR

ATMEGA164PA-MUR

ATMEGA164PA-AUR

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ATMEGA164A-AUR

ATMEGA48A-PU

ATMEGA48PA-PU

ATMEGA48PA-MMH

ATMEGA48A-MMH

ATMEGA48PA-MU

ATMEGA48A-MU

ATMEGA48A-AU

ATMEGA48PA-AU

ATMEGA48PA-PN

ATMEGA48PA-MMN

ATMEGA48PA-MN

ATMEGA48PA-AN

ATMEGA48PA-MMNR

ATMEGA48PA-MNR

ATMEGA48PA-ANR

ATMEGA48PA-MMHR