



Product Change Notification / RMES-22AMIJ262

Date:

26-Feb-2021

Product Category:

32-bit Microcontrollers, Wireless Modules

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4578 Final Notice: Standardization of Pin 1 Orientation in Tape and Reel packing media for selected ATSAMCxxExx and ATSAMRxxExx devices families available in 32L VFQFN (5x5x1 mm) package.

Affected CPNs:

[RMES-22AMIJ262_Affected_CPN_02262021.pdf](#)
[RMES-22AMIJ262_Affected_CPN_02262021.csv](#)

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: Standardization of Pin 1 Orientation in Tape and Reel packing media for selected ATSAMCxxExx and ATSAMRxxExx devices families available in 32L VFQFN (5x5x1 mm) package.

Pre Change:

See table summary/comparison table below.

Post Change:

See table summary/comparison table below.

Pre and Post Change Summary:

| | | Pre Change | | Post Change | |
|--------------------------------|--------------------------------------|--|--|--|-----------------|
| Final Test Site | | Microchip Technology Operations (Philippines) Corporation (MPHL) | ASE Test (ASE9) | Microchip Technology Operations (Philippines) Corporation (MPHL) | ASE Test (ASE9) |
| Affected CPN List | Pin 1 Orientation: Quadrant 1 | ATSAMC20E16A-MUT ATSAMC20E17A-MUT ATSAMC21E15A-MUT ATSAMC21E16A-MUT ATSAMC21E17A-MUT ATSAMC21E18A-MUT | ATSAMR21E18A-MFTA7 ATSAMR21E18A-MUT | ATSAMC20E16A-MNT ATSAMC20E16A-MUT ATSAMC20E17A-MUT ATSAMC21E15A-MUT ATSAMC21E16A-MNT ATSAMC21E16A-MUT ATSAMC21E17A-MUT ATSAMC21E18A-MNT ATSAMC21E18A-MUT | |
| | Pin 1 Orientation: Quadrant 2 | ATSAMR21E18A-MFTA7 ATSAMR21E18A-MUT | ATSAMC20E16A-MNT ATSAMC20E16A-MUT ATSAMC20E17A-MUT ATSAMC21E15A-MUT ATSAMC21E16A-MNT ATSAMC21E16A-MUT ATSAMC21E17A-MUT ATSAMC21E18A-MNT ATSAMC21E18A-MUT | ATSAMR21E18A-MFTA7 ATSAMR21E18A-MUT | |
| Pin 1 Orientation Illustration | | See Pre and Post Change attachment | | | |
| Packing Media | | Tape and Reel – No change | | | |
| Base Quantity Multiple (BQM) | | 5000 per reel – No change | | | |

Impacts to Data Sheet: None

Change Impact: None

Reason for Change: To improve manufacturability by standardizing the Pin 1 Orientation at MPHL and ASE9.

Change Implementation Status: In Progress

Estimated First Ship Date:

April 01, 2021 (date code: 2114)

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

Time Table Summary:

| | | | |
|--|---------------|---|------------|
| | February 2021 | > | April 2021 |
|--|---------------|---|------------|

| Workweek | 06 | 07 | 08 | 09 | | 14 | 15 | 16 | 17 | 18 |
|-------------------------------|----|----|----|----|--|----|----|----|----|----|
| Qual Report Availability | | | | X | | | | | | |
| Final PCN Issue Date | | | | X | | | | | | |
| Estimated Implementation Date | | | | | | X | | | | |

Method to Identify Change: Traceability code and Pin 1 Orientation

Qualification Report: Not Applicable

Revision History: February 26, 2021: Issued final notification. Provided estimated first ship date to be on April 01, 2021.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachments:

[PCN_RMES-22AMIJ262_Affected_CPN.pdf](#)

[PCN_RMES-22AMIJ262_Affected_CPN.xlsx](#)

[PCN_RMES-22AMIJ262_Pre and Post Change Summary.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)

ATSAMC20E16A-MNT
ATSAMC20E16A-MUT
ATSAMC20E17A-MUT
ATSAMC21E15A-MUT
ATSAMC21E16A-MNT
ATSAMC21E16A-MUT
ATSAMC21E17A-MUT
ATSAMC21E18A-MNT
ATSAMC21E18A-MUT
ATSAMR21E18A-MFTA7
ATSAMR21E18A-MUT