



Product Change Notification / RMES-23FLBS013

Date:

01-Jul-2022

Product Category:

8-bit Microcontrollers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 3296.002 Final Notice: Qualification of MTAI as a new assembly site for selected ATMEGA1284x, ATMEGA16xxx, ATMEGA32xxx, ATMEGA644xx and ATMEGA85x5x device families available in 44L TQFP (10x10x1mm) package.

Affected CPNs:

[RMES-23FLBS013_Affected_CPN_07012022.pdf](#)

[RMES-23FLBS013_Affected_CPN_07012022.csv](#)

Notification Text:

PCN Status:Final 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 MTAI as a new assembly site for selected ATMEGA1284x, ATMEGA16xxx, ATMEGA32xxx, ATMEGA644xx and ATMEGA85x5x device families available in 44L TQFP (10x10x1mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Lingsen Precision Industries, LTD. (LPI)	Microchip Technology Thailand (HQ (MTAI))
Wire Material	CuPdAu or Au	Au
Die Attach Material	CRM-1033BF	3280
Molding Compound Material	G700	G700
Lead-Frame Material	C7025	C7025
Lead-Frame Paddle Size	160x160 or 205x205 or 275x275	180x180 or 275x275
DAP Surface Prep	Ag plated	Bare Cu
Tray Comparison	Black Tray (Bakeable)	Black Tray (Bakeable) or Blue Tray (Non-Bakeable)
	See attached Pre and Post Change comparison	
Moisture Sensitivity Level (MSL) Classification Level	MSL 3	MSL 1

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability and on-time delivery performance by qualifying MTAI as a new assembly site.

Change Implementation Status:In progress

Estimated First Ship Date:July 15, 2022 (date code: 2229)

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

Time Table Summary:

	June 2022					July 2022				
Workweek	2 3	2 4	2 5	2 6	2 7	2 8	2 9	3 0	3 1	3 2
Qual Report				x						

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:

June 24, 2022: Issued final notification. Attached is the qualification report and provided estimated first ship date by July 15, 2022.

July 01, 2022: Re-issued final notification. Added MSL Classification Level and Tray comparison in Pre and Post change summary table. Added attachment file (ppt) for Tray comparison.

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-23FLBS013_Pre and Post Change_Summary.pdf](#)
- [PCN_RMES-23FLBS013_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)

ATMEGA644PA-AN
ATMEGA644PA-ANR
ATMEGA644-20AU
ATMEGA644V-10AU
ATMEGA644-20AUR
ATMEGA644V-10AUR
ATMEGA324PV-10AU
ATMEGA324P-20AU
ATMEGA324P-20AQR
ATMEGA324P-20AUR
ATMEGA644PV-10AU
ATMEGA644P-20AU
ATMEGA644PV-10AQ
ATMEGA644PV-10AQR
ATMEGA644PV-10AUR
ATMEGA644P-20AUR
ATMEGA1284-AU
ATMEGA1284-AUR
ATMEGA324PA-AN
ATMEGA324A-AURA3
ATMEGA16-16AU
ATMEGA16-16AUA2
ATMEGA16L-8AU
ATMEGA16-16AUR
ATMEGA16L-8AUR
ATMEGA32-16AU
ATMEGA32L-8AU
ATMEGA32A-AURA5
ATMEGA32L-8AUR
ATMEGA164A-AUA2
ATMEGA164PA-AN
ATMEGA164PA-ANR
ATMEGA164A-AURA2
ATMEGA8515-16AUR
ATMEGA8535-16AU
ATMEGA8535L-8AU
ATMEGA8535-16AUR
ATMEGA8535L-8AUR
ATMEGA32-16AUA3
ATMEGA32L-8AUA3
ATMEGA32-16AQ
ATMEGA32-16AQR
ATMEGA32L-8AURA0
ATMEGA32L-8AURA2
ATMEGA32L-8AURA4
ATMEGA164P-20AQ

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ATMEGA164PV-10AQ

ATMEGA164P-20AQRA1