



Product Change Notification / MFOL-19LRGK540

Date:

22-Dec-2021

Product Category:

General Purpose FPGAs

PCN Type:

Manufacturing Change

Notification Subject:

eSign# E000083716 Final Notice: Qualification of C194 lead frame material with 15.5 mm x 15.5 mm lead frame paddle size for selected Microsemi APA1000 FPGA device family available in MQFP 208L (28X28X3.4mm) package at ANAP assembly site.

Affected CPNs:

[MFOL-19LRGK540_Affected_CPN_12222021.pdf](#)

[MFOL-19LRGK540_Affected_CPN_12222021.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 C194 lead frame material with 15.5 mm x 15.5 mm lead frame paddle size for selected Microsemi APA1000 FPGA device family available in MQFP 208L (28X28X3.4mm) package at ANAP assembly site.

Pre and Post Change Summary:

	Pre Change	Post Change
Assembly Site	Amkor Technology Philippine (P1/P2), INC. (ANAP)	Amkor Technology Philippine (P1/P2), INC. (ANAP)
Wire Material	Au	Au
Die Attach Material	3230	3230
Molding Compound Material	G700M	G700M
Lead frame material	C7025	C194
Lead frame Paddle Size	16 mm x 16 mm	15.5 mm x 15.5 mm
Lead frame design	See pre and post change comparison	

Impacts to Data Sheet:None**Change Impact:**None**Reason for Change:**To improve productivity by qualifying C194 lead frame material with 15.5 mm x 15.5 mm lead frame paddle size at ANAP assembly site.**Change Implementation Status:**In Progress**Estimated First Ship Date:**January 12, 2022

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

Time Table Summary:

	December 2021					>	January 2022				
Workweek	49	50	51	52	53		01	02	03	04	05
Qual Report Availability				X							
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 PA-231 Qualification of APA1000-PQG208 with Modified Leadframe Design and Assembly at Amkor Philippines.

Revision History:December 22, 2021: Issued final 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_MFOL-19LRGK540 Pre and Post change summary.pdf](#)
[PCN_MFOL-19LRGK540_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)

APA1000-PQG208

APA1000-PQG208X259

APA1000-PQG208X538

APA1000-PQG208A

APA1000-PQG208M

APA1000-PQG208I

APA1000-PQG208IX538

APA1000-PQG208IX259