



Product Change Notification / ASER-28RAPG851

Date:

10-Jan-2023

Product Category:

Power Management - System Supervisors/Voltage Detectors

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5128 Final Notice: Qualification of a new lead frame design and G700 as a new mold compound material for selected MIC277xxx device family available in 5L SOT-23 package assembled at STAR assembly site.

Affected CPNs:

[ASER-28RAPG851_Affected_CPN_01102023.pdf](#)
[ASER-28RAPG851_Affected_CPN_01102023.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 a new lead frame design and G700 as a new mold compound material for selected MIC277xxx device family available in 5L SOT-23 package assembled at STAR assembly site.

Pre and Post Change Summary:

| | Pre Change | Post Change |
|---------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------|
| Assembly Site | Stars Microelectronics (Thailand) Public Company Limited (STAR) | Stars Microelectronics (Thailand) Public Company Limited (STAR) |
| Wire Material | Au | Au |
| Die Attach Material | 84-1LMISR4 | 84-1LMISR4 |
| Molding Compound Material | G600 | G700 |
| Lead-Frame Material | C194 | C194 |
| DAP Surface Prep | NiPdAu with Roughened See Pre and Post Change Summary for comparison. | NiPdAuAg with Roughened |

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve productivity by qualifying a new lead frame design and G700 mold compound.

Change Implementation Status:In Progress

Estimated First Ship Date:February 10, 2023 (date code: 2306)

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

Time Table Summary:

| | May 2022 | | | | | > | January 2023 | | | | | February 2023 | | | |
|--------------------------|----------|--------|--------|--------|--------|---|--------------|---|---|---|---|---------------|---|---|---|
| Workweek | 1 9 | 2 0 | 2 1 | 2 2 | 2 3 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Initial PCN Issue Date | x | | | | | | | | | | | | | | |
| Qual Report Availability | | | | | | | x | | | | | | | | |
| Final PCN Issue Date | | | | | | | x | | | | | | | | |
| Estimated Implementation | | | | | | | | | | | | x | | | |

| | | | | | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Date | | | | | | | | | | | | | |
|------|--|--|--|--|--|--|--|--|--|--|--|--|--|

Method to Identify Change:Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History:May 3, 2022: Issued initial notification.

January 10, 2023: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on February 10, 2023.

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

Attachments:

[PCN ASER-28RAPG851_Qual Report.pdf](#)

[PCN_ASER-28RAPG851_Pre and Post Change Summary.pdf](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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