



Product Change Notification / NTDO-14MNBI131

Date:

15-Nov-2022

Product Category:

Linear Comparators, Linear Op Amps, Linear Regulators

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5025 Final Notice: Qualification of G700 as a new mold compound material for selected Micrel MIC3490, MIC52xx, MIC62xxxM5, SPN020xxxx device families available in 5L SOT-23 package assembled at STAR assembly site.

Affected CPNs:

[NTDO-14MNBI131_Affected_CPN_11152022.pdf](#)

[NTDO-14MNBI131_Affected_CPN_11152022.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 G700 as a new mold compound material for selected Micrel MIC3490, MIC52xx, MIC62xxxM5, SPN020xxxx device families 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 |
| DAP Surface Prep | NiPdAu with Roughened | NiPdAuAg with Roughened |
| Lead-frame Material | C194 | C194 |

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying G700 mold compound material and DAP surface prep.

Change Implementation Status:In Progress

Estimated First Ship Date:November 15, 2022 (date code: 2247)

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

Time Table Summary:

| | March 2022 | | | | | > | November 2022 | | | | |
|--------------------------|------------|--------|--------|--------|--------|---|---------------|--------|--------|--------|--------|
| Workweek | 1 0 | 1 1 | 1 2 | 1 3 | 1 4 | | 4 5 | 4 6 | 4 7 | 4 8 | 4 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:March 09, 2022: Issued initial notification.
November 11, 2022: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on November 15, 2022.
November 15, 2022: Re-issued final notification. Updated the DAP surface prep toNiPdAuAg with Roughened in the Post change field.

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

Attachments:

- [PCN_NTDO-14MNBI131_Pre_and_Post_Change Summary.pdf](#)
- [PCN_NTDO-14MNBI131_Qual Report.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)

MIC5205-2.85YM5-TR
MIC5225-5.0YM5-TX
MIC5235-1.5YM5-TX
MIC5235-5.0YM5-TX
MIC5235-2.5YM5-TX
MIC5235-3.3YM5-TX
MIC5235YM5-TX
MIC5225-1.5YM5-TR
MIC5225-5.0YM5-TR
MIC5225-2.5YM5-TR
MIC5225-2.7YM5-TR
MIC5225-3.0YM5-TR
MIC5225-1.8YM5-TR
MIC5225-3.3YM5-TR
MIC5225YM5-TR
MIC5233-2.5YM5-TR
MIC5233YM5-TR
MIC5233-3.3YM5-TR
MIC5233-1.8YM5-TR
MIC5233-3.0YM5-TR
MIC5233-5.0YM5-TR
MIC5233-1.8YM5-TRVAO
MIC5233-3.3YM5A-TR
MIC3490-2.5YM5-TR
MIC5235-1.5YM5-TR
MIC5235-5.0YM5-TR
MIC3490-3.3YM5-TR
MIC5235-2.5YM5-TR
MIC5235-2.7YM5-TR
MIC5235-3.0YM5-TR
MIC3490-1.8YM5-TR
MIC5235-2.8YM5-TR
MIC3490-3.0YM5-TR
MIC3490-5.0YM5-TR
MIC5235-1.8YM5-TR
MIC5235-3.3YM5-TR
MIC5235YM5-TR
SPN020180Y-TR
SPN020127Y-TR
SPN020156G-TR
SPN020155G-TR
SPN020170G-TR
SPN020161G-TR
MIC5233YM5-TRVAO
MIC5233-5.0YM5-TRVAO
MIC5233-3.3YM5-TRVAO

NTDO-14MNBI131 - CCB 5025 Final Notice: Qualification of G700 as a new mold compound material for selected Micrel MIC3490, MIC52xx, MIC62xxxM5, SPN020xxxx device families available in 5L SOT-23 package assembled at STAR assembly site.

MIC5206-2.5YM5-TR
MIC5206-2.7YM5-TR
MIC5206-3.0YM5-TR
MIC5206-3.2YM5-TR
MIC5206-3.3YM5-TR
MIC5206-3.6YM5-TR
MIC5206-3.8YM5-TR
MIC5206-4.0YM5-TR
MIC5206-5.0YM5-TR
MIC5216-2.5YM5-TR
MIC5216-3.3YM5-TR
MIC5216-3.6YM5-TR
MIC5216-5.0YM5-TR
MIC5203-2.6YM5-TR
MIC5203-2.8YM5-TR
MIC5203-3.0YM5-TR
MIC5203-3.3YM5-TR
MIC5203-3.6YM5-TR
MIC5203-3.8YM5-TR
MIC5203-4.0YM5-TR
MIC5203-4.5YM5-TR
MIC5203-4.7YM5-TR
MIC5203-5.0YM5-TR
MIC5238-1.0YM5-TR
MIC5238-1.1YM5-TR
MIC5238-1.3YM5-TR
MIC6211YM5-TR
MIC6270YM5-TR
MIC5205YM5-TX
MIC5207YM5-TX
MIC5205-2.5YM5-TX
MIC5207-5.0YM5-TX
MIC5219-2.5YM5-TX
MIC5219-3.3YM5-TX
MIC5219YM5-TX
MIC5207-1.8YM5-TR
MIC5207-1.8YM5-TX
MIC5205-2.5YM5-TR
MIC5205-2.7YM5-TR
MIC5205-2.8YM5-TR
MIC5205-2.9YM5-TR
MIC5205-3.0YM5-TR
MIC5205-3.1YM5-TR
MIC5205-3.2YM5-TR
MIC5205-3.6YM5-TR
MIC5205-3.8YM5-TR
MIC5205-4.0YM5-TR
MIC5205-5.0YM5-TR
MIC5205YM5-TR

NTDO-14MNBI131 - CCB 5025 Final Notice: Qualification of G700 as a new mold compound material for selected Micrel MIC3490, MIC52xx, MIC62xxxM5, SPN020xxxx device families available in 5L SOT-23 package assembled at STAR assembly site.

MIC5205-3.3YM5-TR
MIC5207-2.5YM5-TR
MIC5207-2.8YM5-TR
MIC5207-2.9YM5-TR
MIC5207-3.0YM5-TR
MIC5207-3.1YM5-TR
MIC5207-3.2YM5-TR
MIC5207-4.0YM5-TR
MIC5207-5.0YM5-TR
MIC5207YM5-TR
MIC5207-3.3YM5-TR
MIC5219-2.6YM5-TR
MIC5219-2.7YM5-TR
MIC5219-2.8YM5-TR
MIC5219-2.85YM5-TR
MIC5219-2.9YM5-TR
MIC5219-3.1YM5-TR
MIC5219-3.6YM5-TR
MIC5219-2.5YM5-TR
MIC5219-3.0YM5-TR
MIC5219-3.3YM5-TR
MIC5219-5.0YM5-TR
MIC5219YM5-TR
MIC5205-3.3YM5-TR-HCM
MIC5207-2.5YM5-TX
MIC5207-3.3YM5-TX