



## Product Change Notification / NTDO-14MNBI131

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### Date:

09-Mar-2022

### Product Category:

Linear Comparators, Linear Op Amps, Linear Regulators

### PCN Type:

Manufacturing Change

### Notification Subject:

CCB 5025 Initial 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\\_03092022.pdf](#)

[NTDO-14MNBI131\\_Affected\\_CPN\\_03092022.csv](#)

### Notification Text:

**PCN Status:**Initial 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 and DAP surface prep 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
<b>Assembly Site</b>	Stars Microelectronics (Thailand) Public Company Limited  (STAR)	Stars Microelectronics (Thailand) Public Company Limited  (STAR)
<b>Wire Material</b>	Au	Au
<b>Die Attach Material</b>	84-1LMISR4	84-1LMISR4
<b>Molding Compound Material</b>	G600	G700
<b>DAP Surface Prep</b>	NiPdAu with Roughened	NiPdAu (Ag with Roughened)
<b>Lead-frame Material</b>	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 Qualification Completion Date:**May 2022

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

**Time Table Summary:**

	March 2022					>	May 2022				
Workweek	1 0	1 1	1 2	1 3	1 4		1 9	2 0	2 1	2 2	2 3
Initial PCN Issue Date		x									
Qual Report Availability									x		
Final PCN Issue Date									x		

**Method to Identify Change:**Traceability code

**Qualification Plan:**Please open the attachments included with this PCN labeled as PCN\_#\_Qual\_Plan.

**Revision History:**March 9, 2022: Issued initial 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\\_NTDO-14MNBI131\\_Qual\\_Plan.pdf](#)

[PCN\\_NTDO-14MNBI131\\_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)

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  
MIC5233-3.3YM5A-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  
MIC5233-5.0YM5-TRV01  
MIC5233YM5-TRVAO  
MIC5233-1.8YM5-TRVAO  
MIC5233-5.0YM5-TRVAO  
MIC5233-3.3YM5-TRVAO  
MIC5206-2.5YM5-TR  
MIC5206-2.7YM5-TR

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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

MIC5205-2.85YM5-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

MIC5205-3.3YM5-TR

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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  
MIC5225-5.0YM5-TX  
MIC5235-1.5YM5-TX