



Product Change Notification / NTDO-04TZHM142

Date:

08-Nov-2021

Product Category:

Depletion Mode MOSFETs, N-Channel Enhancement Mode MOSFETs, P-Channel Enhancement Mode MOSFETs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4883 Initial Notice: Qualification of CEL-8240 as a new mold compound for 2N700x, DNx5xxN3, LP0701N3, TxxxxxN3, VNxxxxxx and VPxxxxxx device families available in 3L TO-92 package assembled at CRTK assembly site.

Affected CPNs:

[NTDO-04TZHM142_Affected_CPN_11082021.pdf](#)
[NTDO-04TZHM142_Affected_CPN_11082021.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 CEL-8240 as a new mold compound for 2N700x, DNx5xxN3, LP0701N3, TxxxxxN3, VNxxxxxx and VPxxxxxx device families available in 3L TO-92 package assembled at CRTK assembly site.

Pre and Post Change Summary:

| | Pre Change | | Post Change |
|---------------|-------------------------------|--------------------|--------------------|
| Assembly Site | Greatek Electronic Inc. (GTK) | Cirtek Electronics | Cirtek Electronics |

| | | | | |
|----------------------------------|-----------|--|-----------------------|-----------------------|
| | | | Corporation (CRTK) | Corporation (CRTK) |
| Wire material | | Au | | Au |
| Die attach material | | CRM1076DJ-G | 8060T | 84-1LMISR4 |
| Molding compound material | | G600 | | CEL-8240 |
| Lead frame | Material | CDA194 / A194 | | A194 |
| | Lead-lock | No | | No |
| | Design | See attached Pre and Post Change comparison. | | |
| Package Lay-out | | See attached Pre and Post Change comparison. | | |

Note:*C194, A194 or CDA194 Lead frame material are the same, it is just a MCHP internal labelling

Impacts to Data Sheet: None

Change Impact:None

Reason for Change:To improve productivity and on-time delivery performance by qualifying CEL-8240 as a new mold compound at CRTK assembly site.

Change Implementation Status:In Progress

Estimated Qualification Completion Date:February 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:

| Workweek | November 2021 | | | | | --> | February 2022 | | | | |
|--------------------------|---------------|----|----|----|----|-----|---------------|----|----|----|----|
| | 45 | 46 | 47 | 48 | 49 | | 06 | 07 | 08 | 09 | 10 |
| 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:November 8, 2021: 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-04TZHM142_Pre and Post Change Summary.pdf](#)

[PCN_NTDO-04TZHM142_Qual Plan.pdf](#)

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

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