



## Product Change Notification / NTDO-04TZHM142

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### 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	Au
Die attach material		CRM1076DJ-G	8060T	84-1LMISR4	84-1LMISR4
Molding compound material		G600		G600	CEL-8240
Lead frame	Material	CDA194 / A194		A194	A194
	Lead-lock	No		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:**

	November 2021					-->	February 2022				
Workweek	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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