



Product Change Notification / CENO-07ILMF042

Date:

28-Feb-2024

Product Category:

Linear Regulators

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6504 Final Notice: Qualification of GTBF as an additional assembly site for MCP1754ST-3302E/MBDE, MCP1754ST-5002E/MB, MCP1754ST-3302E/MB, MCP1754ST-1802E/MB and MCP1754ST-3002E/MB catalog part numbers (CPN) available in 3L SOT-89 package.

Affected CPNs:

[CENO-07ILMF042_Affected_CPN_02282024.pdf](#)

[CENO-07ILMF042_Affected_CPN_02282024.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 GTBF as an additional assembly site for MCP1754ST-3302E/MBDE, MCP1754ST-5002E/MB, MCP1754ST-3302E/MB, MCP1754ST-1802E/MB and MCP1754ST-3002E/MB catalog part numbers (CPN) available in 3L SOT-89 package.

Pre and Post Change Summary:

	Pre Change	Post Change	
Assembly Site	Lingsen Precision Industries, LTD. (LPI)	Lingsen Precision Industries, LTD. (LPI)	Great Team Backend Foundry (Dong Guan) Ltd. (GTBF)
Wire Material	Au	Au	Au
Die Attach Material	84-3J	84-3J	CRM1191AR-A
Backside Coat	8006NS	8006NS	8006NS
Molding Compound Material	G600	G600	CEL-9240HF10L8
Lead-Frame Material	KFC	KFC	KFC
Lead-Frame Paddle Size	79x63 mils	79x63 mils	72x81 mils
	See Pre and Post Change Summary		

Impacts to Data Sheet:Yes. Package Outline Drawing (POD) comparison.

		LPI			GTBF		
		Min	Nom	Max	Min	Nom	Max
Leads	N	3			3		
Pitch	e	1.45	1.50	1.55	1.50 BSC		
Outside Lead Pitch	e1	2.90	3.00	3.10	3.00 BSC		
Overall Height	A	1.40	1.50	1.60	1.41	1.50	1.59
Overall Width	H	3.94	-	4.25	3.97	4.15	4.24
Mold Package Width at Base	E	2.40	2.50	2.60	2.41	2.50	2.59
Overall Length	D	4.40	4.50	4.60	4.41	4.50	4.59
Tab Length (Option B)	D1B	1.40	1.60	1.75	1.65 BSC		
Foot Length	L	0.80	-	1.20	0.81	0.95	1.16
Lead Thickness	c	0.30	0.40	0.50	0.35	0.38	0.44
Lead 2 Width	b	0.41	0.47	0.53	0.43	0.48	0.54
Leads 1 & 3 Width	b1	0.36	0.42	0.48	0.43	0.48	0.54

Change ImpactNone

Reason for Change:To improve on-time delivery performance by qualifying GTBF as an additional

assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:March 31, 2024 (date code: 2414)

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

Time Table Summary:

	September 2023					>	February 2024					March 2024				
Workweek	3 6	3 7	3 8	3 9	4 0		0 5	0 6	0 7	0 8	0 9	1 0	1 1	1 2	1 3	1 4
Initial PCN Issue Date		X														
Qual Report Availability											X					
Final PCN Issue Date											X					
Estimated Implementation Date																X

Method to Identify Change:Traceability code

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

Revision History:September 12, 2023: Issued initial notification.

February 28, 2024: Issued final notification. Updated the Pre and Post table to correct the LF Paddle size from 71x79 mils to 72x81 mils and added the backside coat detail. Attached the qualification report and provided the estimated first ship date to be on March 31, 2024.

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

Attachments:

[PCN_CENO-07ILMF042 Pre_and_Post Change Summary.pptx.pdf](#)

PCN_CENO-07ILMF042 Qual Report.pdf

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

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