



Product Change Notification / NTDO-11BSAL752

Date:

25-May-2022

Product Category:

Driver / Interface ICs

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5092 Final Notice: Qualification of MMT as an additional assembly site for selected HV5523K7, HV5623K7, HV5522K7 and HV5622K7 device families available in 44L WQFN (7x7x0.8mm) package.

Affected CPNs:

[NTDO-11BSAL752_Affected_CPN_05252022.pdf](#)
[NTDO-11BSAL752_Affected_CPN_05252022.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 MMT as an additional assembly site for selected HV5523K7, HV5623K7, HV5522K7 and HV5622K7 device families available in 44L WQFN (7x7x0.8mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
--	------------	-------------

Assembly Site	UTAC Thai Limited (UTL-1) LTD. (NSEB)	Carsem (Suzhou) (CARC)	UTAC Thai Limited (UTL-1) LTD. (NSEB)	Carsem (Suzhou) (CARC)	Microchip Technology Thailand (Branch) (MMT)
Wire Material	CuPdAu	Au	CuPdAu	Au	CuPdAu
Die Attach Material	8600	QMI519	8600	QMI519	3280
Molding Compound Material	G700LTD	EME-G770HCD	G700LTD	EME-G770H CD	G700LTD
MSL information	MSL 1	MSL 3	MSL 1	MSL 3	MSL 1
Lead-Frame Material	EFTEC-64T	A194	EFTEC-64T	A194	A194
Lead-lock	Yes	No	Yes	No	Yes
Lead-frame Paddle Size	217x 217 mils	213x213 mils	217x 217 mils	213x213 mils	213x213 mils
DAP Surface Prep	Ag Ring Plated	Bare Cu	Ag Ring Plated	Bare Cu	Bare Cu
Lead-Frame Drawing	See Pre and Post Change attachment comparison				

Impacts to Data Sheet:Yes – Updated POD.

Units: mm		CARC			NSEB			MMT		
		Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
Number of Pins	N	44			44			44		
Pitch	e	0.50 BSC			0.50 BSC			0.50 BSC		
Overall height	A	0.70	0.75	0.80	0.70	0.75	0.80	0.70	0.75	0.80
Stand off (\$)	A1	0.00	0.02	0.05	0.00	-	0.05	0.00	-	0.05
Terminal Thickness	A3	0.203 REF			0.195	0.203	0.261	0.195	0.203	0.261
Overall Length	D	7.00 BSC			6.90	7.00	7.10	6.90	7.00	7.10
Exposed Pad Length	D2	5.00	5.15	5.25	5.10	5.20	5.30	5.10	5.20	5.30
Overall Width	E	7.00 BSC			6.90	7.00	7.10	6.90	7.00	7.10
Exposed Pad Width	E2	5.00	5.15	5.25	5.10	5.20	5.30	5.10	5.20	5.30
Terminal Width	b	0.18	0.25	0.30	0.20	0.25	0.30	0.18	0.23	0.28
Terminal Length	L	0.45	0.55	0.65	0.49	0.50	0.51	0.59	0.64	0.69
Pullback	L1	-	-	-	-	-	-	-	-	-
Mold Angle	Ø	-	-	-	-	-	-	-	-	-
Terminal to Exposed Pad	K	0.20	-	-	-	0.40	-	-	0.26	-

Change Impact:None

Reason for Change:To improve on-time delivery performance by qualifying MMT as an additional assembly site.

Change Implementation Status:In Progress

Estimated First Ship Date:May 25, 2022 (date code: 2222)

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

Time Table Summary:

	April 2022					May 2022				
Workweek	1 4	1 5	1 6	1 7	1 8	19	2 0	2 1	2 2	23
Initial PCN Issue Date			x							
Qual Report Availability									x	
Final PCN Issue 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:

April 12, 2022: Issued initial notification.

May 10, 2022: Updated to correct the POD data of exposed pad size.

May 25, 2022: Issued final notification. Attached is the qualification report. Provided estimated first ship date on May 25, 2022.

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-11BSAL752_Qual_Report.pdf](#)
[PCN_NTDO-11BSAL752_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)

HV5523K7-G

HV5523K7-G-M933

HV5623K7-G

HV5623K7-G-M933

HV5522K7-G-S344

HV5622K7-G-S343