

### Product Change Notification / RMES-27BPWG940

## Date:

22-Sep-2021

# **Product Category:**

USB Hubs

# PCN Type:

Manufacturing Change

## **Notification Subject:**

CCB 4186 Final Notice: Qualification of MTAI as an additional assembly site for USB58xx, USB59xx and USB70xx device families available in 100L VQFN (12X12X0.9mm) package.

### **Affected CPNs:**

RMES-27BPWG940\_Affected\_CPN\_09222021.pdf RMES-27BPWG940\_Affected\_CPN\_09222021.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 MTAI as an additional assembly site for USB58xx, USB59xx and USB70xx device families available in 100L VQFN (12X12X0.9mm) package.

### Pre and Post Change Summary:

Pre Change Post Change
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Assembly Site	ASE Inc. (ASE)	ASE Group Chung-Li (ASCL)	ASE Inc. (ASE)	ASE Group Chung-Li (ASCL)	Microchip Technology Thailand (HQ) (MTAI)						
Wire material	CuPdAu	CuPdAu	CuPdAu	CuPdAu	CuPdAu						
Die attach material	EN-4900F	EN-4900G	EN-4900F	EN-4900G	3280						
Molding compound material	G631H	G700LA	G631H	G700LA	G700LTD						
Lead frame material	C194	C7025	C194	C7025	EFTEC64						
Lead frame comparison	See attachment for pre and post change comparison										

#### Impacts to Data Sheet:

Yes. Refer to Package Outline Drawing (POD) comparison.

			ASE / ASCL		MTAI					
Feature	Dimension	MIN	NOM	MAX	MIN	NOM	MAX			
Number of Pins	n		100		100					
Pitch	е		0.40 BSC		0.40 BSC					
Overall Height	А	0.80	0.85	0.90	0.80	0.90	1.00			
Standoff	A1	0.00	0.020	0.05	0.00		0.05			
Terminal Thickness	A3		0.203 REF		0.195	0.203	0.211			
Overall Width	D		12.00 BSC		11.90	12.00	12.10			
Exposed Pad Width	D2	7.90	8.00	8.10	7.90	8.00	8.10			
Overall Length	E		12.00 BSC		11.90	12.00	12.10			
Exposed Pad Length	E2	7.90	8.00	8.10	7.90	8.00	8.10			
Terminal Width	b	0.15	0.20	0.25	0.15	0.20	0.25			
Terminal Length	L	0.50	0.60	0.70	0.50	0.60	0.70			
Terminal-to-Exposed Pad	K	1.30 - 1.40 REF								

#### Change Impact: None

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

### Change Implementation Status: In Progress

Estimated First Ship Date: September 14, 2021 (date code: 2138)

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

#### Time Table Summary:

	July 2021					August 2021				September 2021				
Workweek	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Initial PCN					v									
Issue Date					^									

Qual Report Availability				х				
Final PCN Issue Date				Х				
Estimated first ship date							Х	

Method to Identify Change: Traceability code

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

**Revision History:July 28, 2021:** Issued initial notification.**August 12, 2021:** Issued final notification. Attached the qualification report and added estimated first ship date by September 14, 2021 **September 22, 2021.** Re-issued final notification due to updated scope. Excluded the following CPNs in affected CPN list USB5807T-I/KD, USB5816CT/KDH02, USB5807CT/KDH01, USB5816CT/KD, USB5816CT/KDH02, USB5816CT/KD, USB5807CT/KDH01, USB5807CT/KDH01, USB5807CT/KD, USB5807CT-I/KD, USB5906CT/KD, USB5906CT/KD

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

### Attachments:

PCN\_RMES-27BPWG940\_Qual\_Report.pdf PCN\_RMES-27BPWG940\_Pre and Post Change\_Summary.pdf

Please contact your local Microchip sales office with questions or concerns regarding this notification.

### **Terms and Conditions:**

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If you wish to <u>change your PCN profile, including opt out</u>, please go to the <u>PCN home page</u> select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections. RMES-27BPWG940 - CCB 4186 Final Notice: Qualification of MTAI as an additional assembly site for USB58xx, USB59xx and USB70xx device families available in 100L VQFN (12X12X0.9mm) package.

Affected Catalog Part Numbers (CPN)

USB5807/KD USB5806/KD USB5816/KD USB5906/KD USB5916/KD USB5926/KD USB5826/KD USB5807C/KD USB5806C/KD USB5816C/KD USB5826C/KD USB5916C/KD USB5926C/KD USB5816C/KDH01 USB5816C/KDH02 USB5807C/KDH01 USB5807-I/KD USB5806-I/KD USB5816-I/KD USB5906-I/KD USB5916-I/KD USB5926-I/KD USB5826-I/KD USB5806C-I/KD USB5816C-I/KD USB5826C-I/KD USB5906C-I/KD USB5916C-I/KD USB5926C-I/KD USB5816C-I/KDH02 USB5807C-I/KDH01 USB5807T/KD USB5806T/KD USB5816T/KD USB5906T/KD USB5916T/KD USB5926T/KD USB5826T/KD USB5806CT/KD USB5826CT/KD USB5916CT/KD USB5926CT/KD USB5806CT/KDD01 USB5816CT/KDH01 USB5806T-I/KD USB5816T-I/KD

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USB5906T-I/KD USB5916T-I/KD USB5926T-I/KD USB5826T-I/KD USB5806CT-I/KD USB5816CT-I/KD USB5826CT-I/KD USB5906CT-I/KD USB5916CT-I/KD USB5926CT-I/KD USB5816CT-I/KDH02 USB5807CT-I/KDH01 USB7002/KDX USB7050/KDX USB7051/KDX USB7052/KDX USB7056/KDX USB7006/KDX USB7016/KDX USB7002-I/KDX USB7050-I/KDX USB7051-I/KDX USB7052-I/KDX USB7056-I/KDX USB7006-I/KDX USB7016-I/KDX USB7050-I/KDXVAO USB7006-I/KDXVAO USB7016-I/KDXVAO USB7002T/KDX USB7050T/KDX USB7051T/KDX USB7052T/KDX USB7056T/KDX USB7006T/KDX USB7016T/KDX USB7002T-I/KDX USB7050T-I/KDX USB7051T-I/KDX USB7052T-I/KDX USB7056T-I/KDX USB7006T-I/KDX USB7016T-I/KDX USB7002T-I/KDXVAO USB7050T-I/KDXVAO USB7006T-I/KDXVAO USB7016T-I/KDXVAO