



Product Change Notification / ASER-25CMMA573

Date:

05-Apr-2021

Product Category:

Clock and Timing - High Speed Communication

PCN Type:

Manufacturing Change

Notification Subject:

CCB 3192.009 Final Notice: Qualification of MMT as a new final test site for Micrel SY88903ALKGxx device family available in 10L MSOP (3x3x1.0mm) package.

Affected CPNs:

[ASER-25CMMA573_Affected_CPN_04052021.pdf](#)
[ASER-25CMMA573_Affected_CPN_04052021.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 a new final test site for Micrel SY88903ALKGxx device family available in 10L MSOP (3x3x1.0mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
Final Test Site	Unisem (M) Berhad Perak, Malaysia (UNIS)	Microchip Technology Thailand (MMT)

Base Quantity Multiple (BQM)	Tube	100	100
	Tape and Reel	2500	2500
Pin 1 Location	Tube	White plug side	White plug side
	Tape and Reel	Quadrant 1	Quadrant 1
Tube Plug Colors		White and Black	White and Black
Reel Color		White	Dark blue
Carton Box	Tube	Minor dimensional changes – see Pre and Post Change attachment.	
	Tape and Reel	Minor dimensional changes – see Pre and Post Change attachment.	

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying MMT as a new final test site.

Change Implementation Status:

In Progress

Estimated First Ship Date:

July 5, 2021 (date code: 2128)

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

Time Table Summary:

	April 2021					July 2021				
	1 4	1 5	1 6	1 7	1 8	27	28	29	30	31
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:

April 5, 2021: Issued final 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_ASER-25CMMA573 Pre and Post Change Comparison.pdf](#)

[PCN_ASER-25CMMA573_Qual_Report.pdf](#)

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

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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)

SY88903ALKG

SY88903ALKG-TR

CCB 3192.009
Pre and Post Change Summary
PCN# ASER-25CMMA573

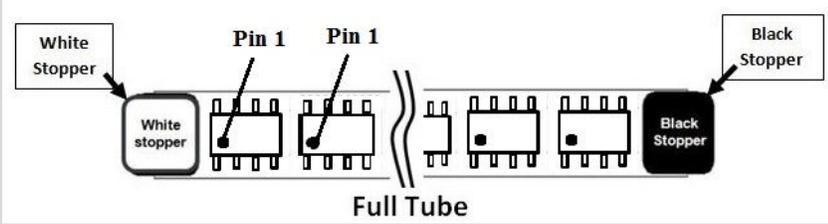
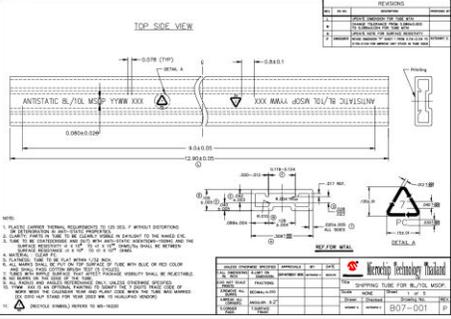


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SMART | CONNECTED | SECURE

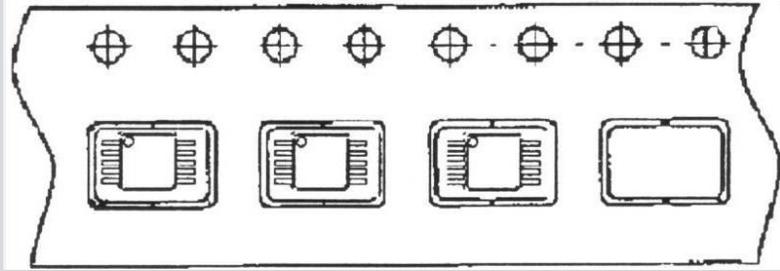
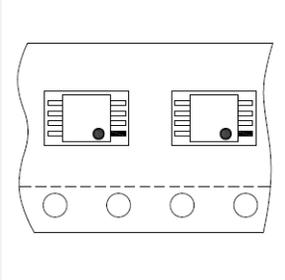
Packing Information TUBE

	UNISEM (Pre)		MMT (Post)					
Final Test Location	Unisem (M) Bhd		Microchip Technology Thailand (HQ) (MMT)					
Packing Media	TUBE		TUBE					
Base Quantity Multiple (BQM)	100 per tube		100 per tube					
Pin1 Orientation	 <p>White Stopper Pin 1 Pin 1 Black Stopper</p> <p>Full Tube</p>		 <table border="1" data-bbox="1941 702 2440 825"> <thead> <tr> <th>Pin1 Side plug color</th> <th>Opposite Side plug color</th> </tr> </thead> <tbody> <tr> <td>White</td> <td>Black</td> </tr> </tbody> </table>		Pin1 Side plug color	Opposite Side plug color	White	Black
Pin1 Side plug color	Opposite Side plug color							
White	Black							
Desiccant and HIC	N/A Desiccant	N/A HIC 3 dots	N/A Desiccant	N/A HIC 3 dots				

Packing Information TUBE

	UNISEM (Pre)	MMT (Post)																										
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (HQ) (MMT)																										
Packing Media	Tube	TUBE																										
Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process		<p>MSL-1 No inner Box</p>																										
Carton Box	<table border="1"> <thead> <tr> <th>Length (mm)</th> <th>Width (mm)</th> <th>Thickness (mm)</th> </tr> </thead> <tbody> <tr> <td>565</td> <td>133</td> <td>80</td> </tr> </tbody> </table>	Length (mm)	Width (mm)	Thickness (mm)	565	133	80	<p>Outer Box:</p> <table border="1"> <thead> <tr> <th>Carton</th> <th>Dimension W x L x H (cm)</th> <th>Number of Bag/carton</th> <th>Package</th> </tr> </thead> <tbody> <tr> <td>M01-031 (H1)</td> <td>18x37.5x4.4</td> <td>Partial bag</td> <td>TSSOP/MSOP</td> </tr> <tr> <td>M01-032 (H5)</td> <td>18x37.5x7</td> <td>1</td> <td>TSSOP/MSOP</td> </tr> <tr> <td>M01-033 (H0)</td> <td>18x37x16</td> <td>3</td> <td>TSSOP/MSOP</td> </tr> <tr> <td>M01-015 (B8)</td> <td>35.5x35.5x16.5</td> <td>4</td> <td>TSSOP/MSOP</td> </tr> </tbody> </table>	Carton	Dimension W x L x H (cm)	Number of Bag/carton	Package	M01-031 (H1)	18x37.5x4.4	Partial bag	TSSOP/MSOP	M01-032 (H5)	18x37.5x7	1	TSSOP/MSOP	M01-033 (H0)	18x37x16	3	TSSOP/MSOP	M01-015 (B8)	35.5x35.5x16.5	4	TSSOP/MSOP
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M01-033 (H0)	18x37x16	3	TSSOP/MSOP																									
M01-015 (B8)	35.5x35.5x16.5	4	TSSOP/MSOP																									

Packing Information Tape and Reel

	UNISEM (Pre)	MMT (Post)
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (HQ) (MMT)
Packing Media	Tape and Reel	Tape and Reel
Base Quantity Multiple (BQM)	2500 per reel	2500 per reel
Pin1 Orientation		 <div data-bbox="1972 556 2349 674" style="border: 1px solid black; padding: 5px; text-align: center;"> <p style="background-color: #0056b3; color: white; margin: 0;">Pin 1 Orientation in T/R</p> <p style="margin: 0;">Quadrant 1</p> </div>
Desiccant and HIC	<div data-bbox="606 796 784 991" style="border: 1px solid black; padding: 2px;"> <p style="font-size: 8px;">CLAY DESICCANT</p> <p style="font-size: 8px;">REACTIVATES IN 24 HOURS AT 200 °F</p> <p style="font-size: 8px;">DESICCANT ACTIVATED BAGS: FOR PACKAGING USE AND SHIP TO CUSTOMER ONLY</p> <p style="font-size: 8px; border: 1px solid black; display: inline-block; padding: 2px;">1 UNIT</p> <p style="font-size: 8px;">SPECIFICATION MIL-D-3464 TYPE I, B</p> <p style="font-size: 8px;">DO NOT EAT</p> <p style="font-size: 8px;">DOU YEE ENTERPRISES PTE LTD</p> <p style="font-size: 8px;">TEL: 852 6448 2579 FAX: 852 6749 7752</p> </div> <div data-bbox="794 802 1166 845" style="border: 1px solid black; padding: 2px; display: inline-block;"> <p>2 X 1 unit Dou Yee Desiccant</p> </div> <div data-bbox="1217 916 1381 1159" style="border: 1px solid black; padding: 2px; font-size: 8px;"> <p style="text-align: center;">COBALT DICHLORIDE FREE</p> <p style="text-align: center; font-size: 6px;">Complies with IPC/JEDEC, AEC-Q103 and all REACH regulations</p> <p>LEVEL 2 PARTS</p> <p>Bake parts if 80% is NOT blue</p> <p>LEVEL 2A-4A PARTS</p> <p>Bake parts if 10% is NOT blue and 5% is pink</p> <p style="font-size: 6px;">CLARISAN® AT1000P™</p> <p style="font-size: 6px;">Initial User: Do not put this card into a bag if 80% is pink</p> </div> <div data-bbox="749 1088 1166 1159" style="border: 1px solid black; padding: 2px; display: inline-block;"> <p>3 Spot HIC</p> </div>	<div data-bbox="1737 1039 1814 1082" style="text-align: center;"> <p>N/A</p> </div> <div data-bbox="1727 1116 1839 1145" style="text-align: center;"> <p>Desiccant</p> </div> <div data-bbox="2211 1039 2288 1082" style="text-align: center;"> <p>N/A</p> </div> <div data-bbox="2186 1116 2298 1145" style="text-align: center;"> <p>HIC 3 dots</p> </div>

Packing Information Tape and Reel

UNISEM (Pre)

MMT (Post)

Final Test Location

Unisem (M) Bhd

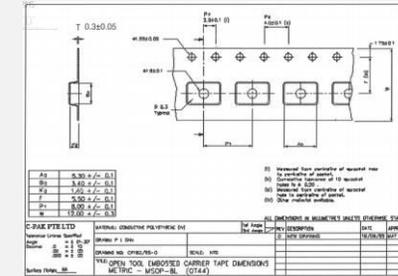
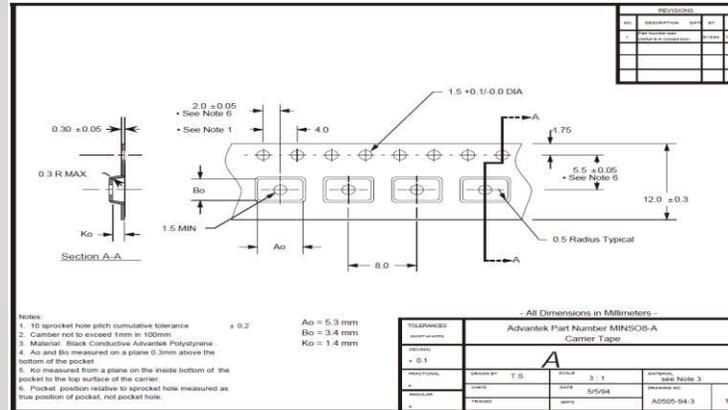
Microchip Technology Thailand (HQ) (MMT)

Packing Media

Tape and Reel

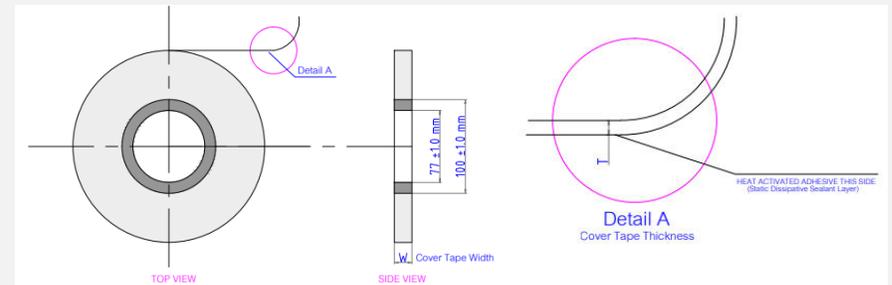
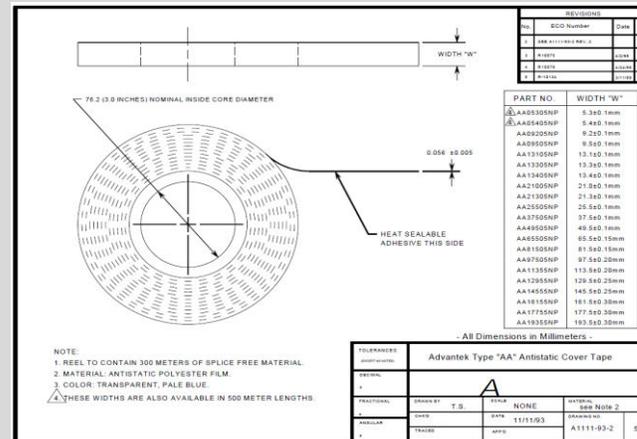
Tape and Reel

Carrier Tape



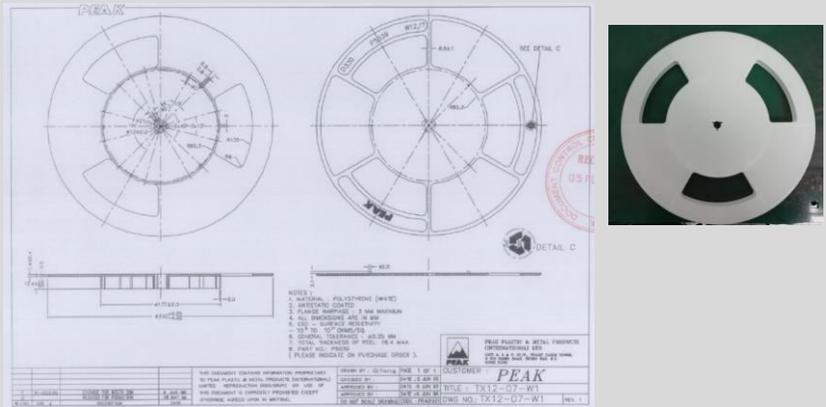
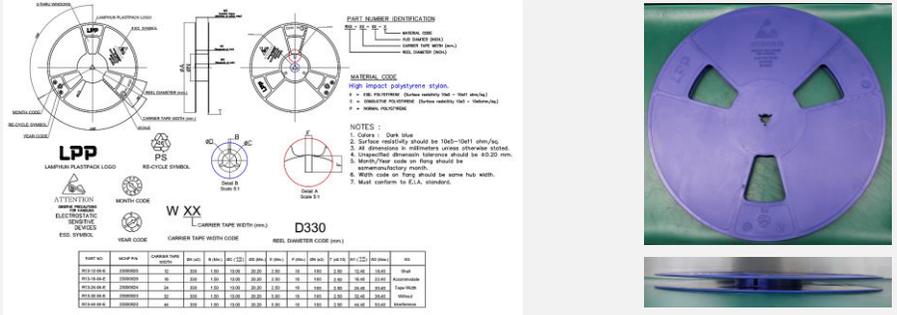
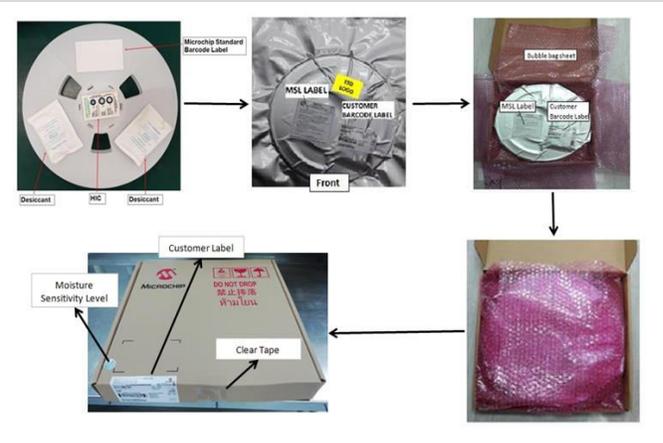
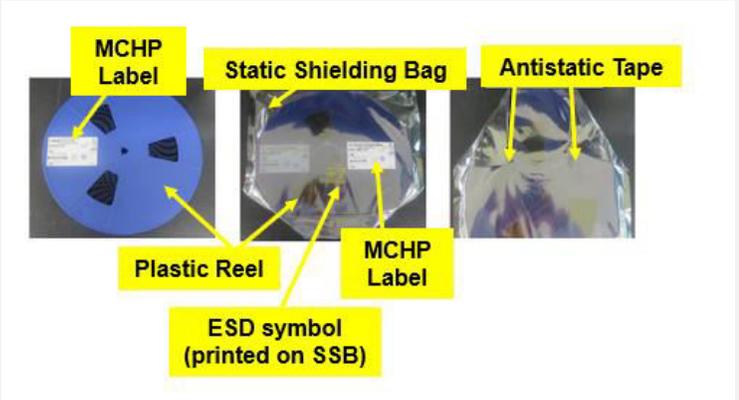
Supplier	Supplier part No.	Width (mm.) ± 0.30	Pitch (mm.) ± 0.10	A0 ± 0.1	B0 ± 0.1	K0 ± 0.1
C-PAK	OT044	12	8	5.30	3.40	1.40

Cover Tape



Supplier	Supplier part No.	Cover Tape Width (mm.) $9.05 +0.05/-0.15$	Cover Tape Thickness (mm.) $0.050 +/-0.010$	Color
Sumitomo	CSL-Z7302	9.05 +0.05/-0.15	0.050 +/-0.010	Clear

Packing Information Tape and Reel

	UNISEM (Pre)	MMT (Post)
Final Test Location	Unisem (M) Bhd	Microchip Technology Thailand (HQ) (MMT)
Packing Media	Tape and Reel	Tape and Reel
Reel		
Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process		<p>MSL-1 No inner Box</p> 

Supplier	Diameter (mm.)	Hub (mm.)	W2 Max (mm.)	Color
LPP	330	100	18.40	Dark Blue

Packing Information Tape and Reel

	UNISEM (Pre)	MMT (Post)																									
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MICROCHIP

QUALIFICATION REPORT SUMMARY

PCN#: ASER-25CMMMA573

Date

March 22, 2021

**Qualification of MMT as a new final test site for Micrel
SY88903ALKGxx device family available in 10L MSOP
(3x3x1.0mm) package.**

Purpose: Qualification of MMT as a new final test site for Micrel SY88903ALKGxx device family available in 10L MSOP (3x3x1.0mm) package.

CCB No.: 3192.009

Qualification report summary for SY88903ALKG

Test / Evaluation	Test Conditions / Parameters	Results
Correlation Plan	50 correlation units of each device type (original site/tester to new site/tester). Parametric correlation of ATE measured data sheet parameters 5,000 units yield sample for bin comparison (original site/tester to new site/tester). 50 untested units sample (new site/tester to original site/tester) for bin comparison and correlation.	Passed
Equipment correlation plan	Perform final test at original site record yield and bin data. Perform same final test using the same units at destination site. Compare data.	Passed