



Product Change Notification / BLAS-06MZPU737

Date:

07-Jun-2023

Product Category:

Clock and Timing - Clock and Data Distribution

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6263.001 Final Notice: Qualification of MMT as an additional final test site for SY58031UMG-TR catalog part number (CPN) available in 32L VQFN (5x5x0.9mm) package.

Affected CPNs:

[BLAS-06MZPU737_Affected_CPN_06072023.pdf](#)
[BLAS-06MZPU737_Affected_CPN_06072023.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 final test site for SY58031UMG-TR catalog part number (CPN) available in 32L VQFN (5x5x0.9mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Final Test Site	Unisem Advance Tech (UAT)	Unisem Advance Tech (UAT)	Microchip Technology Thailand (Branch) (MMT)
Base Quantity Multiple (BQM) – Tape and Reel	1000	1000	1000
Pin1 Orientation	Quadrant 1	Quadrant 1	Quadrant 1
Carrier Tape	No dimensional change. See attached Pre and Post Comparison		
Cover Tape	Pale Blue	Pale Blue	Clear
	With minor dimensional changes. See attached Pre and Post Comparison		
Plastic Reel	Light Blue	Light Blue	Dark Blue
	With minor dimensional changes. See Pre and Post Comparison		
Packing Method	See attached Pre and Post Comparison		
Desiccant and HIC	See attached Pre and Post Comparison		

Impacts to Data Sheet:

None

Change Impact:None

Reason for Change:To improve manufacturability and on-time delivery performance by qualifying MMT as an additional final test site.

Change Implementation Status:In Progress

Estimated First Ship Date:June 26, 2023 (date code: 2326)

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

change parts.

Time Table Summary:

	June 2023				
Workweek	22	23	24	25	26
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: June 7, 2023: 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_BLAS-06MZPU737_Pre_and_Post_Change_Summary.pdf](#)
[PCN_BLAS-06MZPU737_Qual_Report_Summary.pdf](#)

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

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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)

SY58031UMG-TR

CCB 6263.001
Pre and Post Change Summary
PCN#: BLAS-06MZPU737

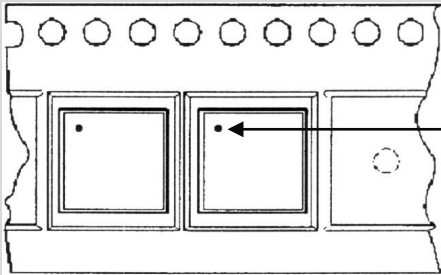
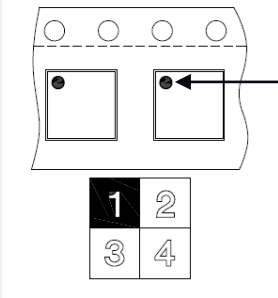
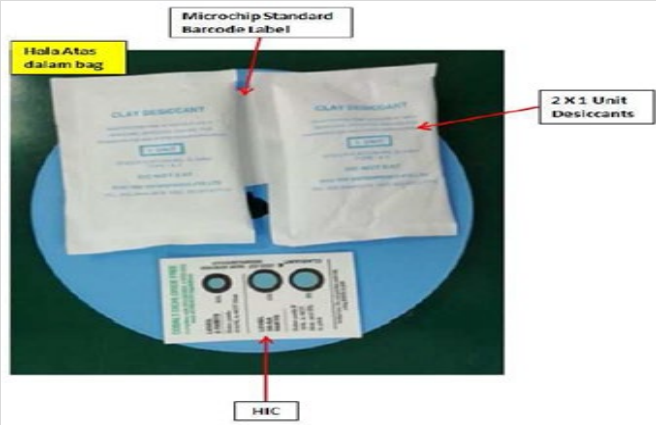



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Tape and Reel – BQM and Pin1 Orientation (5x5x0.9mm)

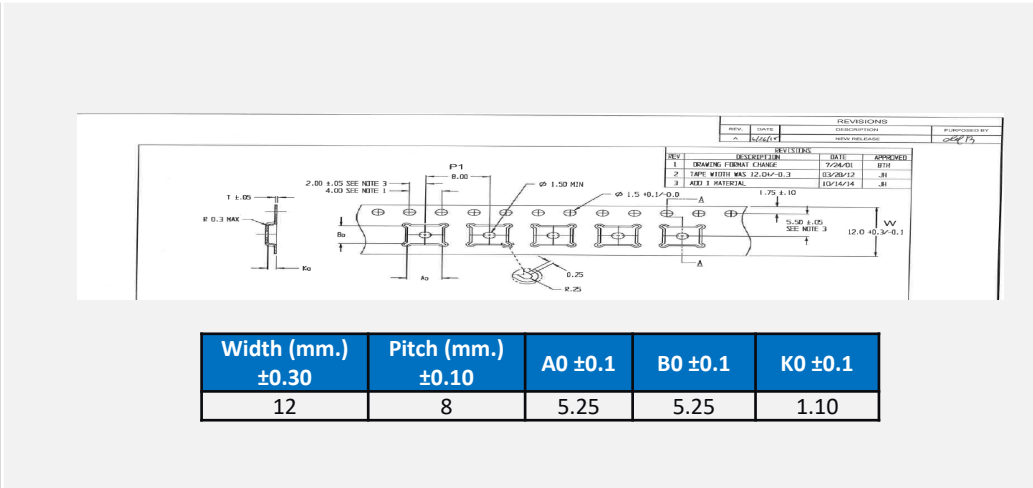
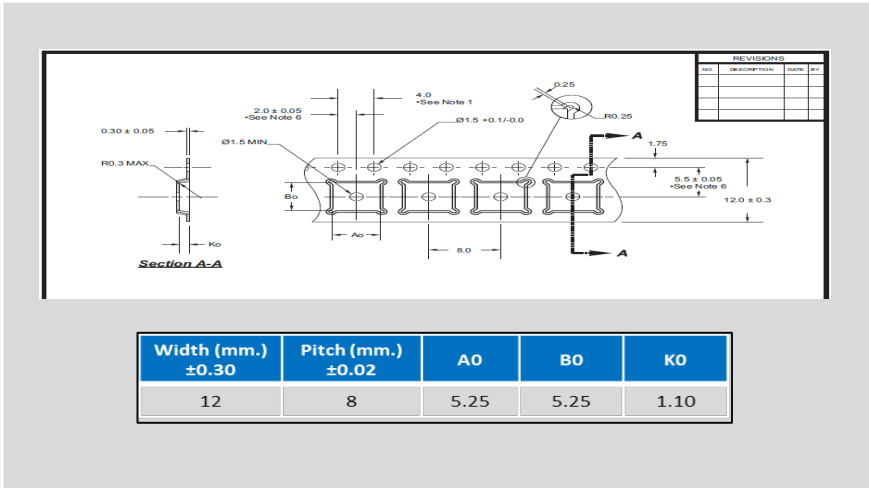
	UNISEM	MMT
Base Quantity Multiple (BQM)	1000 per reel	1000 per reel
Pin1 Orientation	 <div>Pin 1 Orientation in T/R</div> <div>Quadrant 1</div>	 <div>Pin 1 Orientation in T/R</div> <div>Quadrant 1</div>
Desiccant and HIC	 <div>Microchip Standard Barcode Label</div> <div>2 X 1 Unit Desiccants</div> <div>HIC</div>	 <div>Desiccant</div> <div>HIC 3 dots</div>

Tape and Reel – Carrier Tape (5x5x0.9mm)

UNISEM

MMT

Carrier Tape



Tape and Reel – Cover Tape (5x5x0.9mm)

UNISEM

Cover Tape

Diagram of UNISEM cover tape showing a top view with a central circular area and a side view. Dimensions include 78.2 (3.0 INCHES) NOMINAL INSIDE CORE DIAMETER, WIDTH "W", and 0.056 ±0.005. A table lists part numbers and widths.

PART NO.	WIDTH "W"
AA00000NP	2.540.1mm
AA00400NP	5.440.1mm
AA00800NP	9.240.1mm
AA00000NP	9.240.1mm
AA00000NP	9.240.1mm
AA10000NP	13.440.1mm
AA10400NP	13.440.1mm
AA21000NP	21.340.1mm
AA21400NP	21.340.1mm
AA37000NP	37.540.1mm
AA37400NP	37.540.1mm
AA65000NP	65.540.1mm
AA65400NP	65.540.1mm
AA81000NP	81.540.1mm
AA81400NP	81.540.1mm
AA10000NP	107.540.1mm
AA10400NP	107.540.1mm
AA14000NP	145.540.1mm
AA14400NP	145.540.1mm
AA17000NP	177.540.1mm
AA17400NP	177.540.1mm
AA18000NP	183.540.1mm

Cover Tape Width (mm.)	Cover Tape Thickness (mm.)	Color
9.2 ±0.1	0.056 ±0.005	Pale Blue

MMT

Diagram of MMT cover tape showing a top view and a side view. Dimensions include 77 ±1.0 mm and 100 ±1.0 mm. A detail view shows the heat activated adhesive layer.


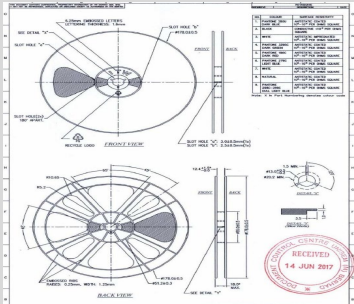
Cover Tape Width (mm.)	Cover Tape Thickness (mm.)	Color
9.05 +0.05/-0.15	0.050 +/-0.010	Clear

Cover Tape Width (mm.)	Cover Tape Thickness (mm.)	Color
9.05 +0.05/-0.15	0.050 +/-0.010	Clear

Tape and Reel – Plastic Reel (5x5x0.9mm)

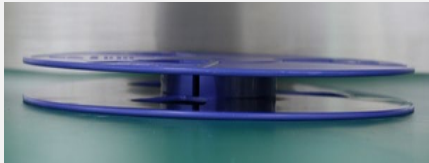
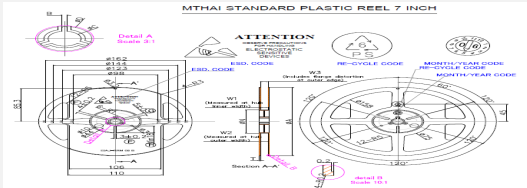
Plastic Reel

UNISEM




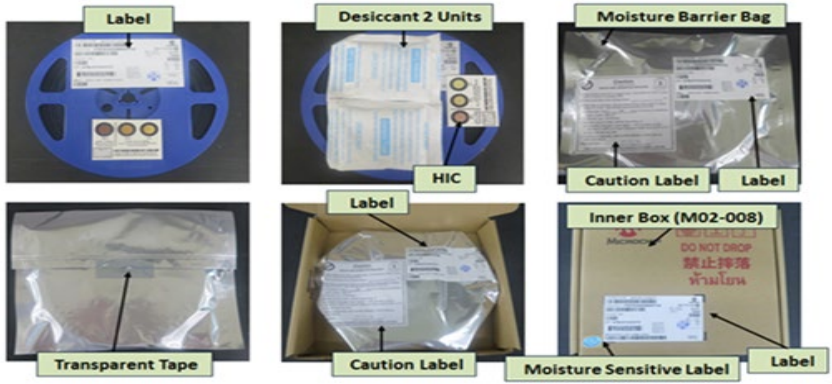
Diameter (mm.)	Hub (mm.)	Width (mm.)	Color
178± 0.5	55± 0.5	12.4+1.5	Light Blue

MMT

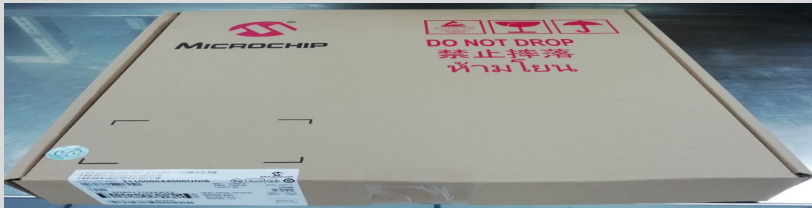


Diameter (mm.)	Hub (mm.)	W Max (mm.)	Color
178±2.0	60.5±0.5	18.40	Dark Blue

Tape and Reel – Packing Method (5x5x0.9mm)

	UNISEM	MMT
Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process		<p>Inner Box:</p> 

Tape and Reel – Packing Method (5x5x0.9mm)

	UNISEM	MMT																
Carton Box	<div><table><tr><th>Inner Box</th></tr><tr><td>Dimension W x L x H (mm)</td></tr><tr><td>204x220x35</td></tr></table></div>	Inner Box	Dimension W x L x H (mm)	204x220x35	<div>Outer Box:</div> <table><tr><th>Inner Box</th><th>Carton</th><th>Number of Inner box(es) per carton</th></tr><tr><th>Dimensions W x L x H (cm)</th><th>Dimensions W x L x H (cm)</th><td></td></tr><tr><td rowspan="3">22x20.4x3.3</td><td>37.0x38.0x11.0</td><td>2: 1</td></tr><tr><td>20.6x24.0x22.9</td><td>5: 1</td></tr><tr><td>20x46x23</td><td>10: 1</td></tr></table>	Inner Box	Carton	Number of Inner box(es) per carton	Dimensions W x L x H (cm)	Dimensions W x L x H (cm)		22x20.4x3.3	37.0x38.0x11.0	2: 1	20.6x24.0x22.9	5: 1	20x46x23	10: 1
	Inner Box																	
Dimension W x L x H (mm)																		
204x220x35																		
Inner Box	Carton	Number of Inner box(es) per carton																
Dimensions W x L x H (cm)	Dimensions W x L x H (cm)																	
22x20.4x3.3	37.0x38.0x11.0	2: 1																
	20.6x24.0x22.9	5: 1																
	20x46x23	10: 1																



QUALIFICATION REPORT SUMMARY

PCN #: BLAS-06MZPU737

**Date
April 28, 2023**

Qualification of MMT as an additional final test site for selected SY58031UMG, SY58032UMG, SY58033UMG, SY58032UMG-TR and SY58033UMG-TR catalog part numbers (CPN) available in 32L VQFN (5x5x0.9mm) package. The qualification of MMT as an additional final test site for SY58031UMG-TR catalog part number (CPN) available in 32L VQFN (5x5x0.9mm) package will qualify by similarity (QBS).

Purpose: Qualification of MMT as an additional final test site for selected SY58031UMG, SY58032UMG, SY58033UMG, SY58032UMG-TR and SY58033UMG-TR catalog part numbers (CPN) available in 32L VQFN (5x5x0.9mm) package. The qualification of MMT as an additional final test site for SY58031UMG-TR catalog part number (CPN) available in 32L VQFN (5x5x0.9mm) package will qualify by similarity (QBS).

CCB No.: 6263 and 6263.001

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.	Pass
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.	Pass