



Product Change Notification / RMES-14WQGP950

Date:

03-May-2023

Product Category:

Power Management - PWM Controllers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5301 Final Notice: Qualification of MTAI as an additional final test site for MIC210xYML device family available in 16L VQFN (3x3x1.00mm) package.

Affected CPNs:

[RMES-14WQGP950_Affected_CPN_05032023.pdf](#)
[RMES-14WQGP950_Affected_CPN_05032023.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 final test site for MIC210xYML device family available in 16L VQFN (3x3x1.00mm) package.

Pre and Post Change Summary:

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

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 15, 2022: Issued initial notification.

May 03, 2023: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on August 25, 2023.

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-14WQGP950_Qual Report.pdf](#)

[PCN_RMES-14WQGP950_Pre and Post Change Summary.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.



**QUALIFICATION REPORT SUMMARY
RELIABILITY LABORATORY**

PCN #: RMES-14WQGP950

**Date:
April 19, 2023**

**Qualification of MTAI as an additional final test site for
MIC210xYML device family available in 16L VQFN
(3x3x1.00mm) package.**



Purpose **Qualification of MTAI as an additional final test site for MIC210xYML device family available in 16L VQFN (3x3x1.00mm) package.**

CCB No. **5301**

Test / Evaluation	Test Condition / Parameters	Result
Correlation Plan	<ul style="list-style-type: none">33 correlation units of MIC2104YML-TR to be tested at UNIS and send to MTAI for parametric correlation of ATE measured data sheet parameters.	PASSED
	<ul style="list-style-type: none">3,000 untested units from each package size for yield and bin-to-bin comparison (UNIS to MTAI).	PASSED
	<ul style="list-style-type: none">Test flow: Final Test Room 100% -> QA Sample Room.	PASSED

Affected Catalog Part Numbers (CPN)

MIC2101YML-TR

MIC2102YML-TR

MIC2103YML-TR

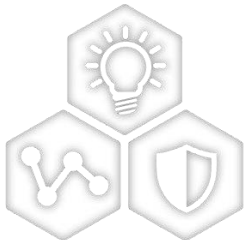
MIC2104YML-TR

CCB # 5301

Pre and Post change comparison
PCN #: RMES-14WQGP950



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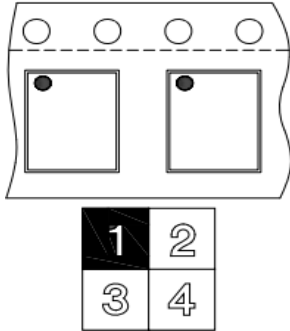
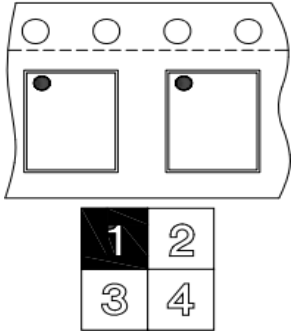


SMART | CONNECTED | SECURE

Pre and Post Change Summary - Base Quantity Multiple (BQM) per reel

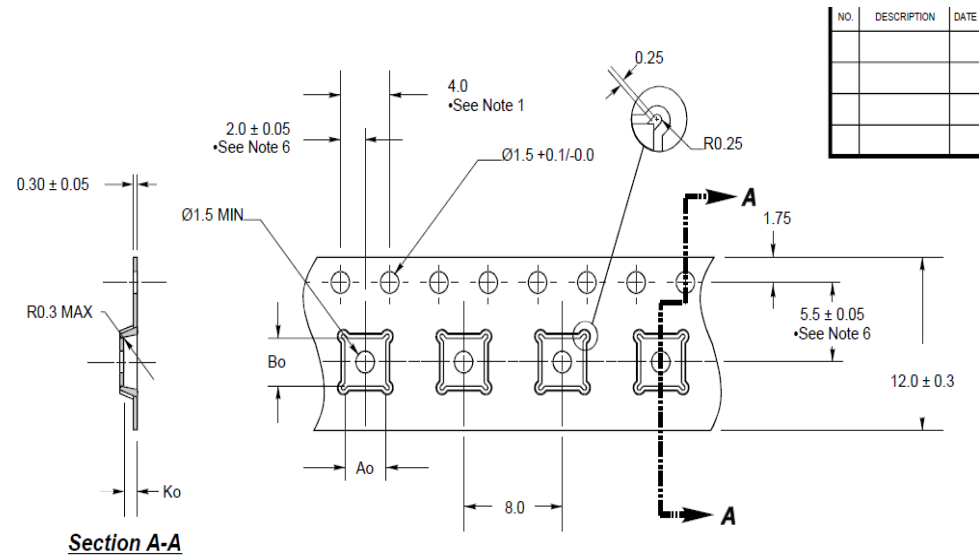
UNIS	MTAI
Units per reel: 5000	Units per reel: 5000

Pre and Post Change Summary – Pin 1 Orientation

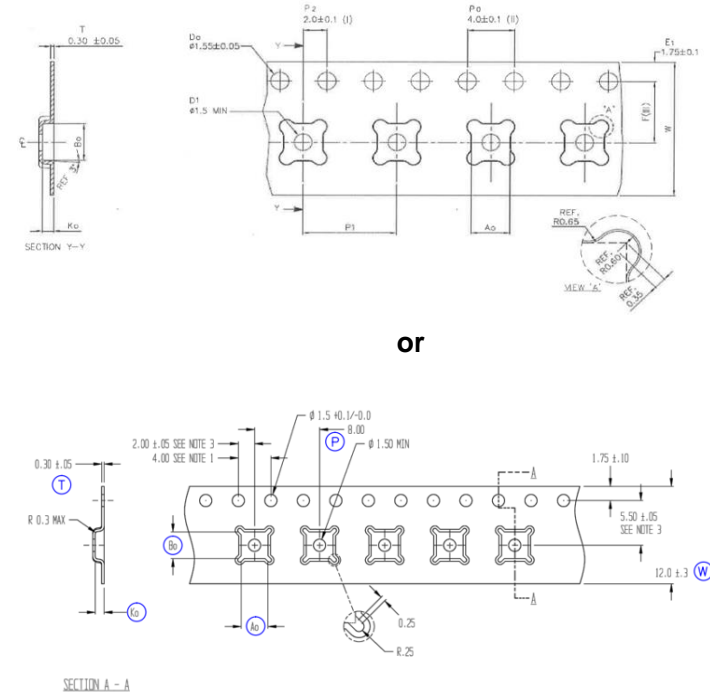
UNIS	MTAI
<div data-bbox="537 405 825 733"></div> <p data-bbox="537 891 825 948">Quadrant 1</p>	<div data-bbox="1717 419 2005 748"></div> <p data-bbox="1717 891 2005 948">Quadrant 1</p>

Pre and Post Change Summary - Carrier Tape

UNIS



MTAI

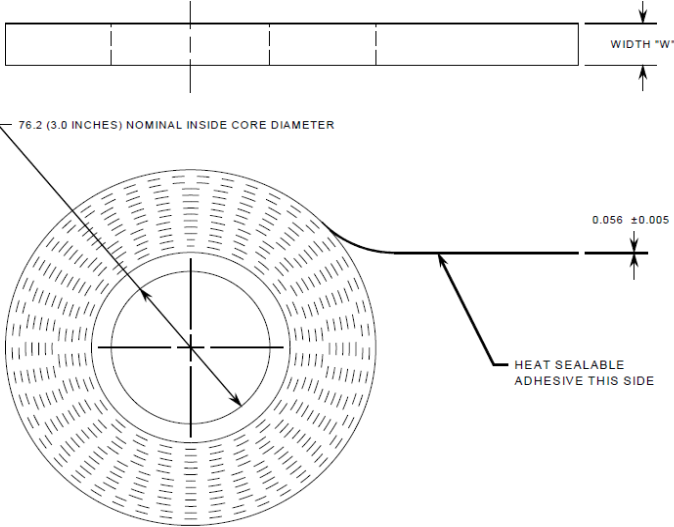


or

Plant	W (mm.) ± 0.3 or Specific	P (mm.) ± 0.1 or Specific	$A_0 \pm 0.1$ or Specific	$B_0 \pm 0.1$ or Specific	$K_0 \pm 0.1$ or Specific
UNIS	12mm ± 0.3	8.00mm	3.30mm	3.30mm	1.10mm
MTAI	12mm ± 0.3	8.00mm	3.30mm	3.30mm	1.10mm or 1.00mm

Pre and Post Change Summary - Cover Tape

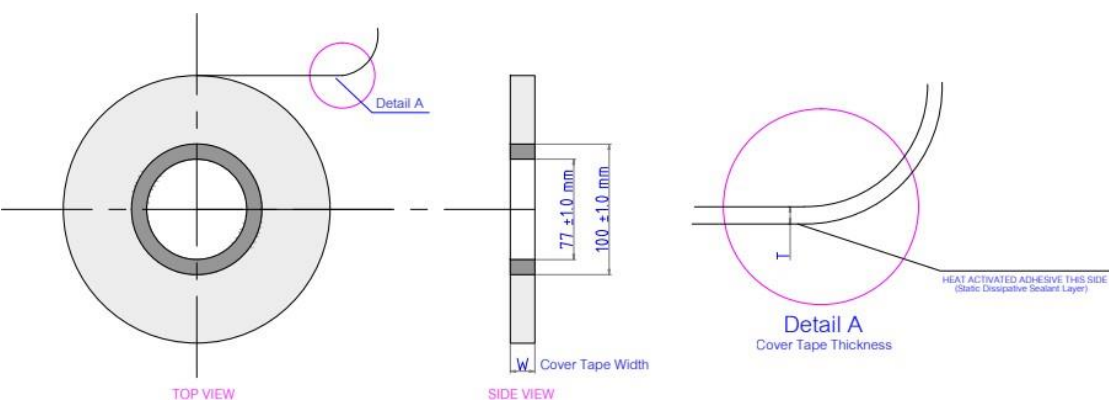
UNIS



2	SEE A1111-93-2 REV. 2		
3	R10075	4/2/98	T.O
4	R10075	2/24/99	T.O
5	R10134	3/11/99	T.O

PART NO.	WIDTH "W"
AA0530SNP	5.3±0.1mm
AA0540SNP	5.4±0.1mm
AA0920SNP	9.2±0.1mm
AA0950SNP	9.5±0.1mm
AA1310SNP	13.1±0.1mm
AA1330SNP	13.3±0.1mm
AA1340SNP	13.4±0.1mm
AA2100SNP	21.0±0.1mm
AA2130SNP	21.3±0.1mm
AA2550SNP	25.5±0.1mm
AA3750SNP	37.5±0.1mm
AA4950SNP	49.5±0.1mm
AA6550SNP	65.5±0.15mm
AA8150SNP	81.5±0.15mm
AA9750SNP	97.5±0.20mm
AA1135SNP	113.5±0.20mm
AA1295SNP	129.5±0.25mm
AA1455SNP	145.5±0.25mm
AA1615SNP	161.5±0.30mm
AA1775SNP	177.5±0.30mm
AA1935SNP	193.5±0.30mm

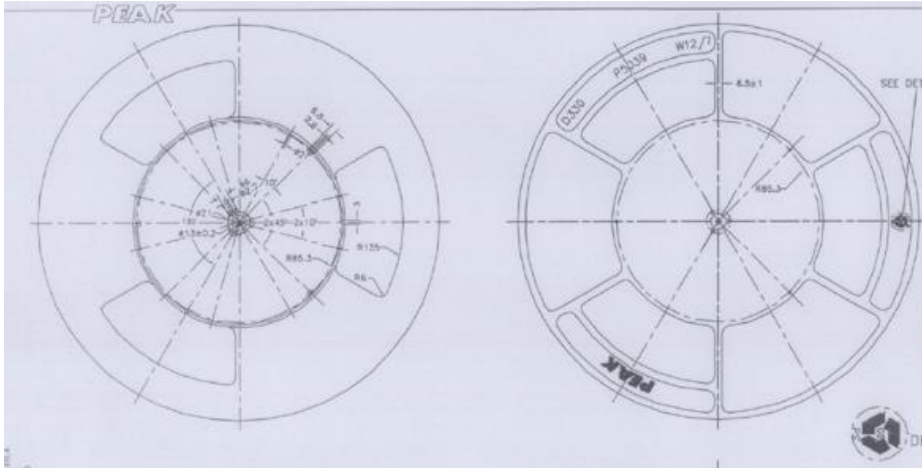
MTAI



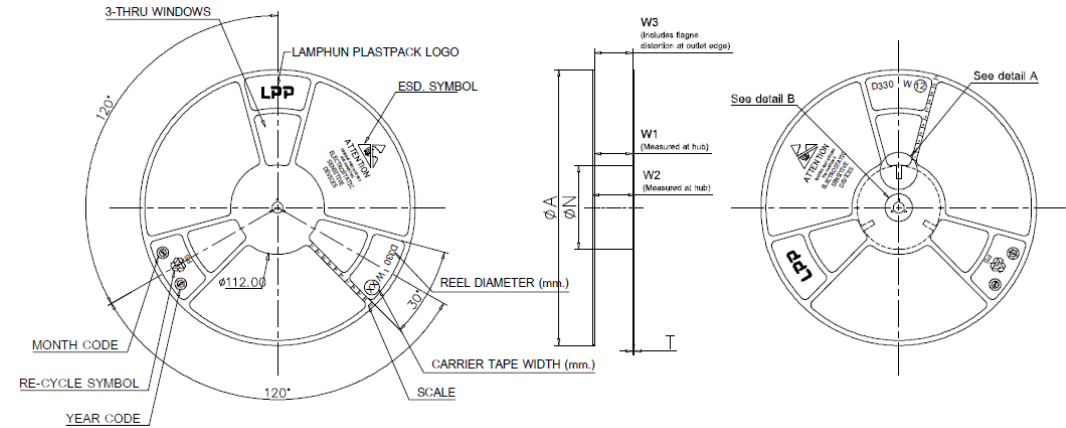
Plant	Cover Tape Width	Thickness	Color	Sealing mythology
UNIS	9.2mm	0.056mm	Clear	Heat Seal
MTAI	9.05+0.05/-0.15mm	0.050 ± 0.010mm	Clear	Heat Seal

Pre and Post Change Summary - Plastic Reel

UNIS



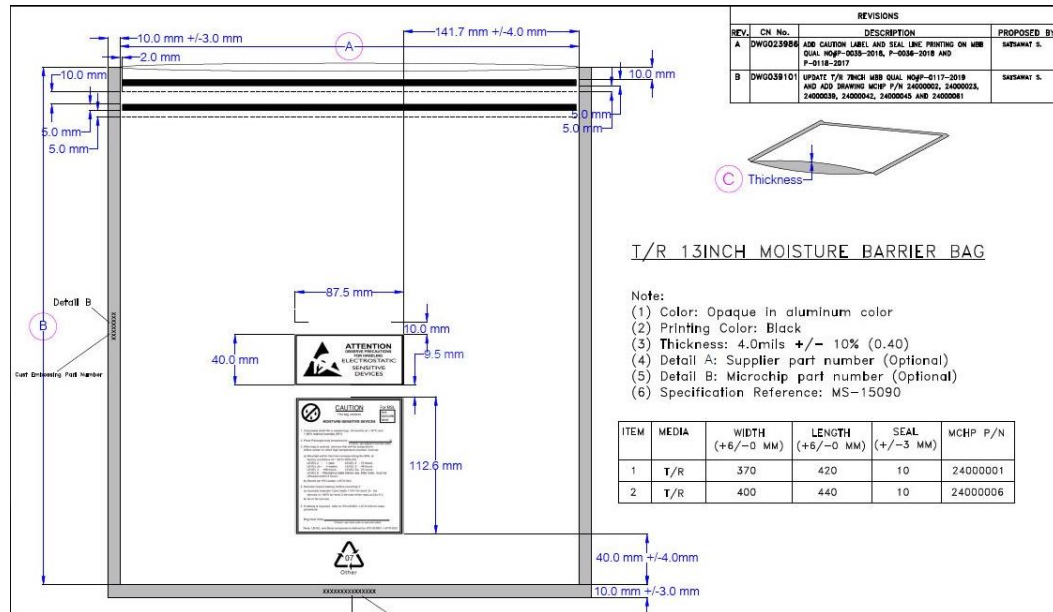
MTAI



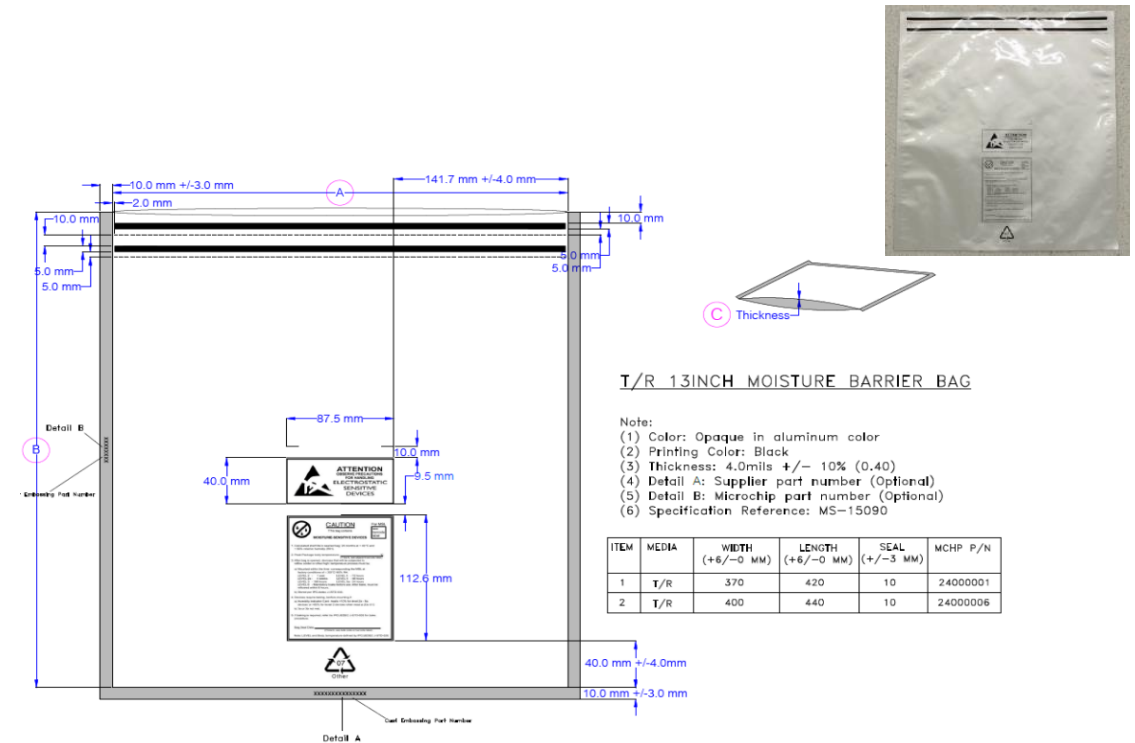
Plant	Reel diameter	Reel Hub Size (mm)	Reel Width Max (mm)	Reel Color
UNIS	330 +4.0/-0.25	177 ±2.0	18.40	White
MTAI	330 +/- 2.0	100 ±2.0	18.40	Dark Blue

Pre and Post Change Summary – Moisture Barrier Bag

UNIS



MTAI



Plant

Length (Inch)

Width (Inch)

Thickness (Mils)

UNIS

16.53

14.56

4

MTAI

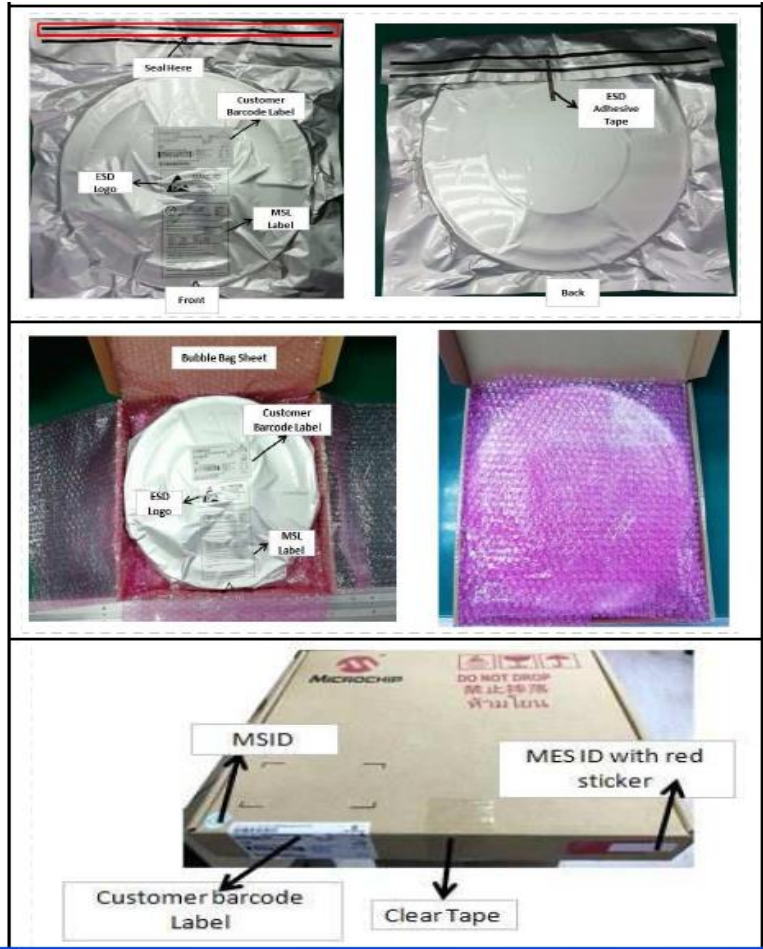
16.53

14.56

4

Pre and Post Change Summary – Packing Method

UNIS



MTAI

