



Product Change Notification / MFOL-05LHKQ810

Date:

12-Sep-2022

Product Category:

Linear Regulators

PCN Type:

Document Change

Notification Subject:

CCB 5253 Initial Notice: Qualification of MTAI as an additional final test site for MIC5219-5.0YMT-TR and MIC5219YMT-TR catalog part numbers available in 6L UDFN (2x2x0.6mm) package.

Affected CPNs:

[MFOL-05LHKQ810_Affected_CPN_09122022.pdf](#)
[MFOL-05LHKQ810_Affected_CPN_09122022.csv](#)

Notification Text:

PCN Status:Initial 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 MIC5219-5.0YMT-TR and MIC5219YMT-TR catalog part numbers available in 6L UDFN (2x2x0.6mm) package.

Pre and Post Change Summary:

		Pre Change	Post Change	
Final Test Site		Unisem Chengdu Co.,Ltd. (UNIC)	Unisem Chengdu Co.,Ltd. (UNIC)	Microchip Technology Thailand (HQ) (MTAI)
Base Quantity Multiple (BQM)		5000	5000	5000
Pin 1 Orientation		Quadrant 1	Quadrant 1	Quadrant 1
Carrier Tape		With minor dimensional changes. See Pre and Post Change Comparison.		
Cover Tape		With minor dimensional changes. See Pre and Post Change Comparison.		
Plastic Reel	Dimension	With minor dimensional changes. See Pre and Post Change Comparison.		
	Color	White	White	Dark Blue
Static Shielding Bag		With minor dimension changes. See Pre and Post Change Comparison.		
Packing Method		See Pre and Post Change Comparison.		

Impacts to Data Sheet:None

Change Impact:None

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

Change Implementation Status:In Progress

Estimated Qualification Completion Date:November 2022

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	September 2022					>	November 2022				
Workweek	3 6	3 7	3 8	3 9	4 0		45	46	47	48	49
Initial PCN Issue Date			x								

Qual Report Availability			x				x				
Final PCN Issue Date							x				

Method to Identify Change:Traceability code

Qualification Plan:Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History:September 12, 2022: Issued initial 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_MFOL-05LHKQ810_Pre and Post Change Summary.pdf](#)

[PCN_MFOL-05LHKQ810_Qual Plan.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.



**QUALIFICATION PLAN SUMMARY
RELIABILITY LABORATORY**

PCN #: MFOL-05LHKQ810

**Date:
August 31, 2022**

**Qualification of MTAI as an additional final test site for
MIC5219-5.0YMT-TR and MIC5219YMT-TR catalog part
numbers available in 6L UDFN (2x2x0.6mm) package.**



MICROCHIP
PACKAGE QUALIFICATION PLAN

Purpose **Qualification of MTAI as an additional final test site for MIC5219-5.0YMT-TR and MIC5219YMT-TR catalog part numbers available in 6L UDFN (2x2x0.6mm) package.**

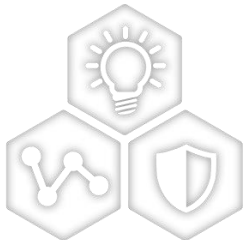
CCB No. **5253**

Test / Evaluation	Test Condition / Parameters
Correlation Plan	<ul style="list-style-type: none">33 correlation units of MIC5219-5.0YMT and MIC5219YMT to be tested at UNIC and send to MTAI for parametric correlation of ATE measured data sheet parameters.
	<ul style="list-style-type: none">3,000 untested units from each package size for yield and bin-to-bin comparison (UNIC to MTAI).
	<ul style="list-style-type: none">Test flow: Final Test Room 100% -> QA Sample Room.

Initial CCB# 5253
PCN #: MFOL-05LHKQ810



A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



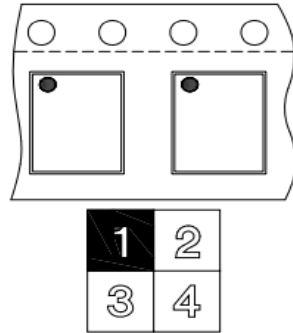
SMART | CONNECTED | SECURE

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

UNIC	MTAI
Units per reel: 5000 1 reel per bag	Units per reel: 5000 1 reel per bag

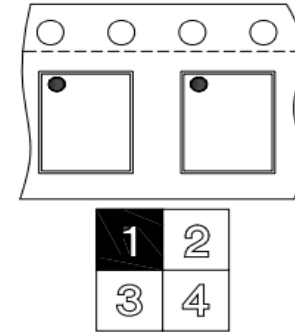
Pre and Post Change Summary – Pin 1 Orientation

UNIC



Quadrant 1

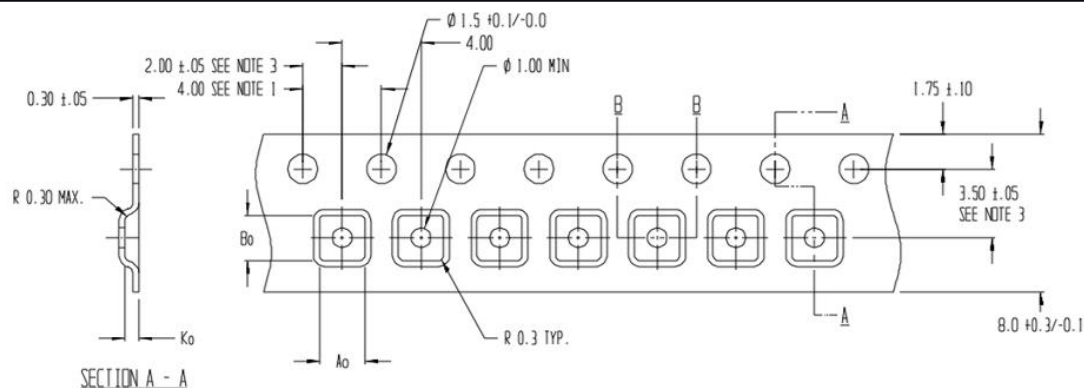
MTAI



Quadrant 1

Pre and Post Change Summary - Carrier Tape

UNIC

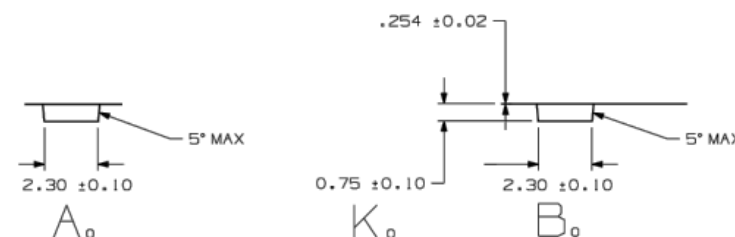
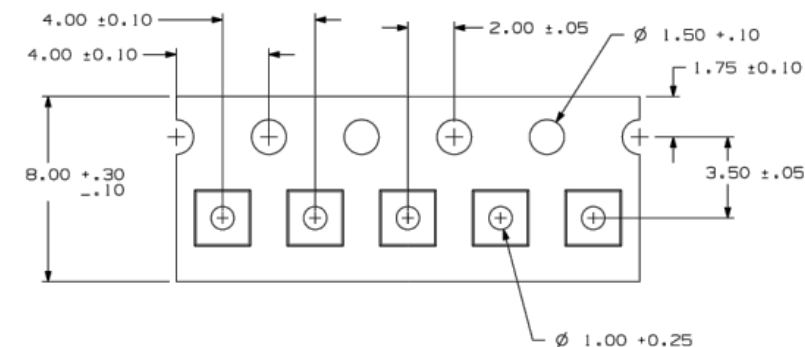


A₀ = 2.30
B₀ = 2.30
K₀ = 0.70

NOTES:

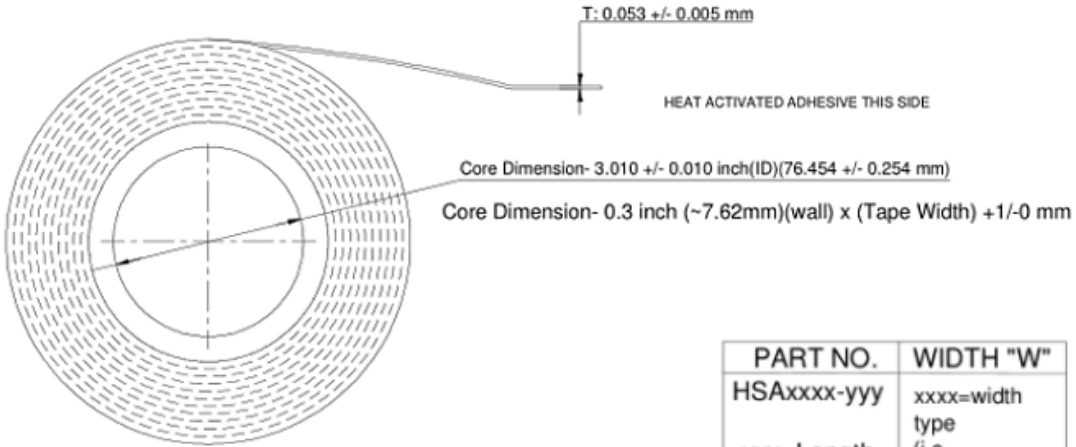
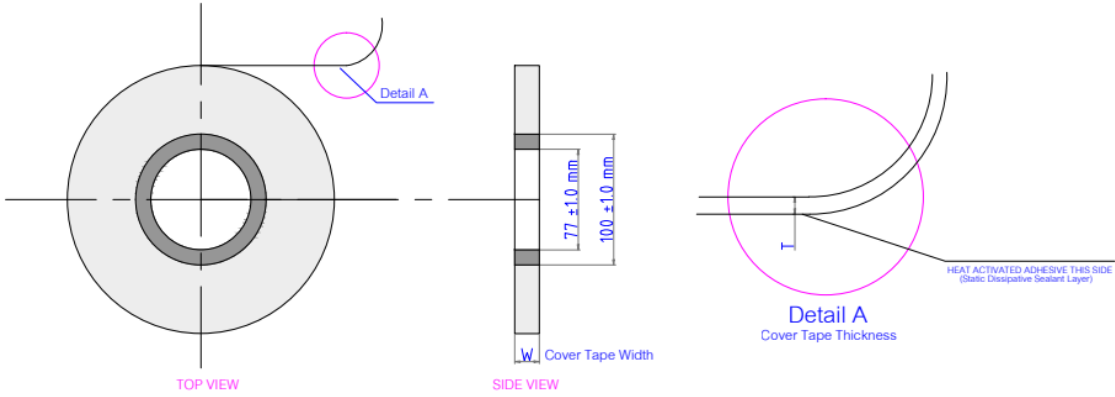
1. TO SPROCKET HOLE PITCH CUMULATIVE TOLERANCE ± 0.2
2. CAMBER IN COMPLIANCE WITH EIA 481
3. POCKET POSITION RELATIVE TO SPROCKET HOLE MEASURED AS TRUE POSITION OF POCKET, NOT POCKET HOLE
4. A₀ AND B₀ MEASURED FROM A PLANE "R" ABOVE THE BOTTOM OF THE POCKET

MTAI



Plant	W (mm.) ± 0.3 or Specific	P (mm.) ± 0.1 or Specific	A ₀ ± 0.1 or Specific	B ₀ ± 0.1 or Specific	K ₀ ± 0.1 or Specific
UNIC	8.00+03/-0.1	4.00mm	2.30mm	2.30mm	0.70mm
MTAI	8.00+0.3/-0.1	4.00mm	2.30mm	2.30mm	0.75mm

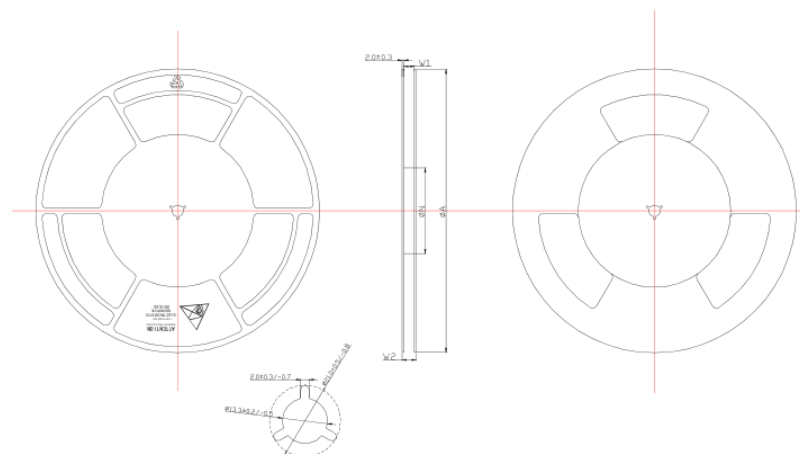
Pre and Post Change Summary - Cover Tape

UNIC	MTAI						
<div><p>T: 0.053 +/- 0.005 mm</p><p>HEAT ACTIVATED ADHESIVE THIS SIDE</p><p>Core Dimension- 3.010 +/- 0.010 inch(ID)(76.454 +/- 0.254 mm)</p><p>Core Dimension- 0.3 inch (~7.62mm)(wall) x (Tape Width) +/- 0 mm</p><table><tr><th>PART NO.</th><th>WIDTH "W"</th></tr><tr><td>HSAxxxx-yyy</td><td>xxxx=width type</td></tr><tr><td>-yyy=Length (i.e. -300=300 M)</td><td>(i.e. 0092=9.20 mm, 1135=113.5 mm)</td></tr></table><p>xx-yyy (i.e. HSA0054=5.4mm) (mm): +/- 0.1 mm (Unless specific items) +5/-0 M, where yyy=Length Tech Bulletins for related properties</p></div>	PART NO.	WIDTH "W"	HSAxxxx-yyy	xxxx=width type	-yyy=Length (i.e. -300=300 M)	(i.e. 0092=9.20 mm, 1135=113.5 mm)	<div><p>TOP VIEW</p><p>Detail A</p><p>77 +/- 1.0 mm</p><p>100 +/- 1.0 mm</p><p>W Cover Tape Width</p><p>SIDE VIEW</p><p>Detail A</p><p>Cover Tape Thickness</p><p>HEAT ACTIVATED ADHESIVE THIS SIDE (Elastic Dissipative Sealant Layer)</p></div>
PART NO.	WIDTH "W"						
HSAxxxx-yyy	xxxx=width type						
-yyy=Length (i.e. -300=300 M)	(i.e. 0092=9.20 mm, 1135=113.5 mm)						

Plant	Cover Tape Width	Thickness	Color	Sealing mythology
UNIC	5.4 +/-0.1 mm	0.053 +/-0.005 mm	Clear	Heat Seal
MTAI	5.3 +/-0.1 mm	0.062 +/-0.013 mm	Clear	Heat Seal

Pre and Post Change Summary - Plastic Reel

UNIC

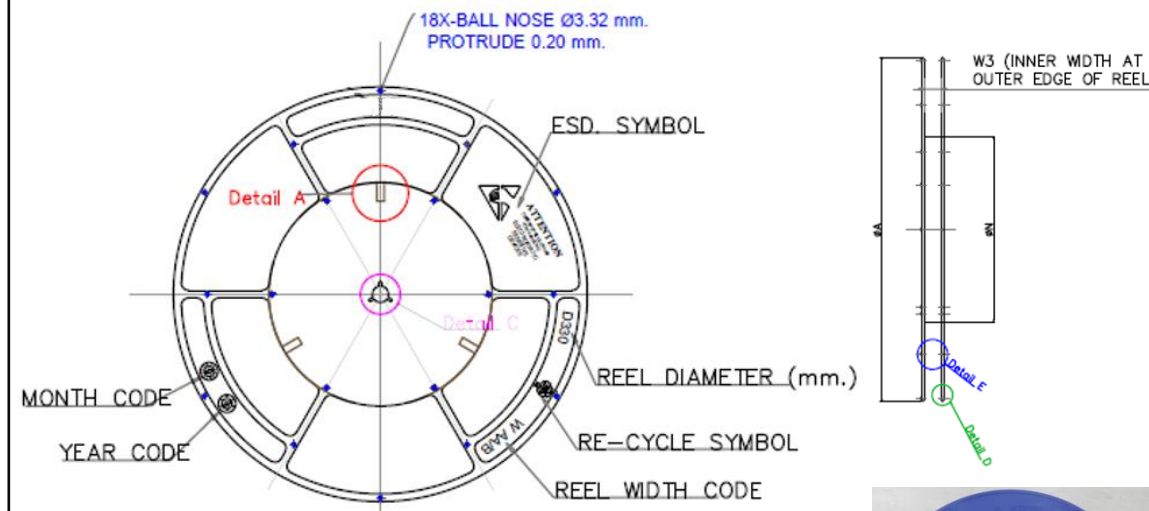


PRODUCT SPECIFICATIONS

TYPE WIDTH	ØA	ØN	W1 (Min)	W2 (Max)
8MM	330±2.0	178±1.0	8.4	15.4



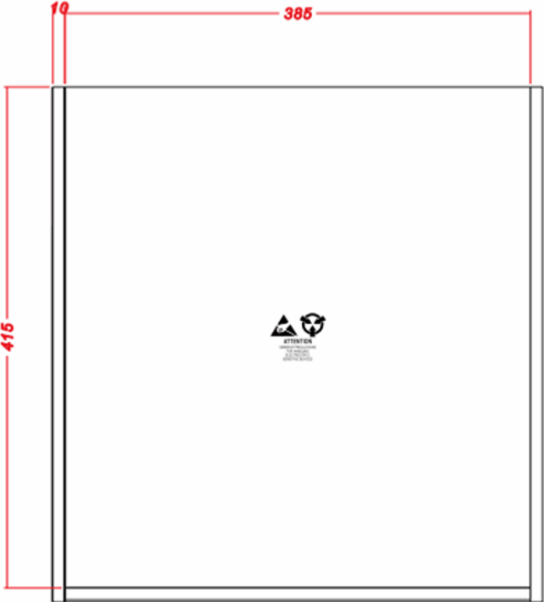
MTAI



Plant	Reel diameter	Reel Hub Size (mm)	Reel Width Max (mm)	Reel Color
UNIC	330 +/- 2.0	178 +/- 1.0	15.4	White
MTAI	330 +/- 2.0	178 +0/- 2.0	14.40	Dark Blue

Pre and Post Change Summary – Static Shielding Bag

UNIC



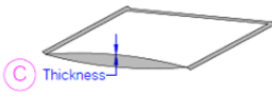
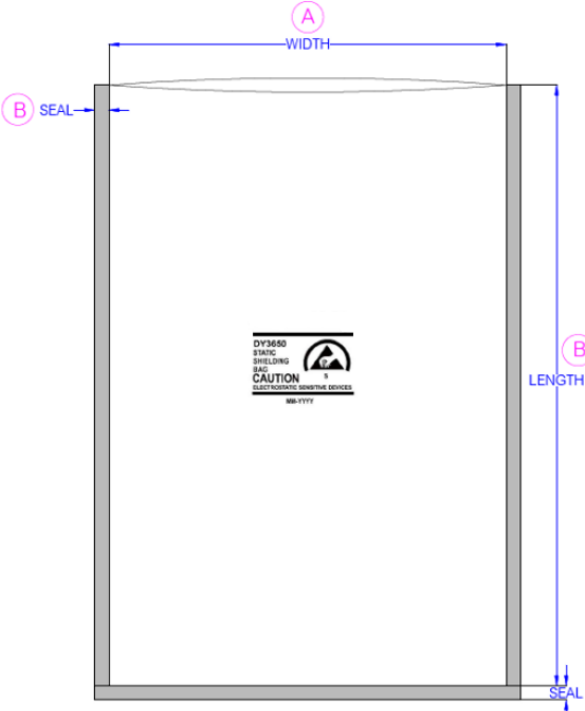
ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE DEVICES

Logo Color: Yellow



Width	Length	Thickness
385mm +5/-0	415mm +5/-0	0.08mm ± 10%

MTAI



STATIC SHIELDING FILM (BAG)

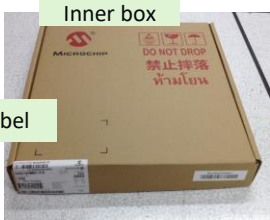
- Note:
- (1) Printing Color: Yellow
 - (2) Thickness: 3mils +/- 10% (0.3)
 - (3) Specification Reference: MS-15090
 - (4) MM: Month code
 - (5) YYYY: Year code

ITEM	MEDIA	WIDTH (+5/-0 MM)	LENGTH (+5/-0 MM)	SEAL (+/-2 MM)	MCHP P/N
	T/R	370	420	10	24000023

Plant	Length (mm)	Width (mm)	Thickness (mm)
UNIC	415	385	0.08
MTAI	420	370	0.076

Pre and Post Change Summary – Packing Method

UNIC



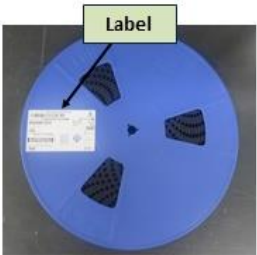
Packing five inner boxes to one carton box



Packing one inner box to one carton box



MTAI

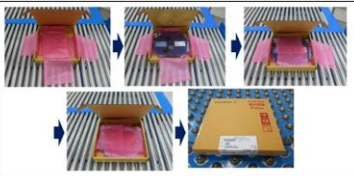


SSB

MSL-1 (No inner box)

Carton	Dimension W x L x H (cm)	Number of reel per carton
		Reel diameter (D) = 330mm
		Carrier Tape Width 8mm
M01-011 (TT)	36.5x38x39.5	18
M01-012 (B1)	35.5x35.5x2.8	1
M01-013 (B2)	35.5x35.5x4	3
M01-014 (B3)	35.5x35.5x6	4
M01-015 (B8)	35.5x35.5x16.5	10

Packing for tape and reel in carton box B2/ B3.(Sample)



Packing for tape and reel in carton box B8.(Sample)



Packing for tape and reel in carton box TT



MFOL-05LHKQ810 - CCB 5253 Initial Notice: Qualification of MTAI as an additional final test site for MIC!

Affected Catalog Part Numbers(CPN)

MIC5219-5.0YMT-TR

MIC5219YMT-TR