



Product Change Notification / JAON-15XJYR211

Date:

17-Sep-2022

Product Category:

Battery Management and Fuel Gauges - Battery Chargers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5299 Initial Notice: Qualification of MTAI as an additional final test site for MIC79110-4.2YML-TR and MIC79110YML-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm) package.

Affected CPNs:

[JAON-15XJYR211_Affected_CPN_09172022.pdf](#)

[JAON-15XJYR211_Affected_CPN_09172022.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 MIC79110-4.2YML-TR and MIC79110YML-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change
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Final Test Site	Unisem (M) Berhad Perak, Malaysia (UNIS)	Unisem (M) Berhad Perak, Malaysia (UNIS)	Microchip Technology Thailand (MTAI)
Packing Media	Tape and Reel	Tape and Reel	Tape and Reel
Base Quantity Multiple (BQM)	5000	5000	5000
Pin 1 Orientation	Q1	Q1	Q1
Carrier tape	With minor dimensional changes. See attached pre and post change comparison		
Cover Tape	With minor dimensional changes. See attached pre and post change comparison		
Reel Color	White	White	Dark Blue
	With minor dimensional changes. See attached pre and post change comparison		
Moisture Barrier bag/ Static Shield bag	With minor dimensional changes. See attached pre and post change comparison		
Packing Method	See attached pre and post change comparison		

Impacts to Data Sheet:None

Change Impact:None

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

Change Implementation Status:In Progress

Estimated Qualification Completion Date:December 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					>	December 2022				
Workweek	3	3	3	3	4		49	50	51	52	53

	6	7	8	9	0						
Initial PCN Issue Date			X								
Qual Report Availability										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 17, 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_JAON-15XJYR211_Pre and Post Change_Summary.pdf](#)

[PCN_JAON-15XJYR211_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.

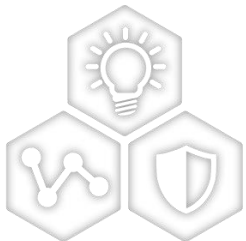
CCB 5299

Pre and Post Change Summary

PCN# JAON-15XJYR211

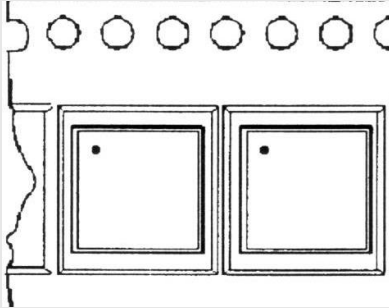
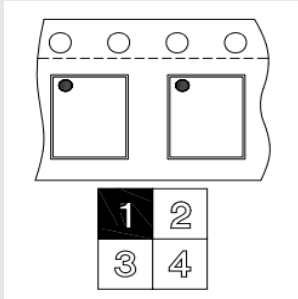


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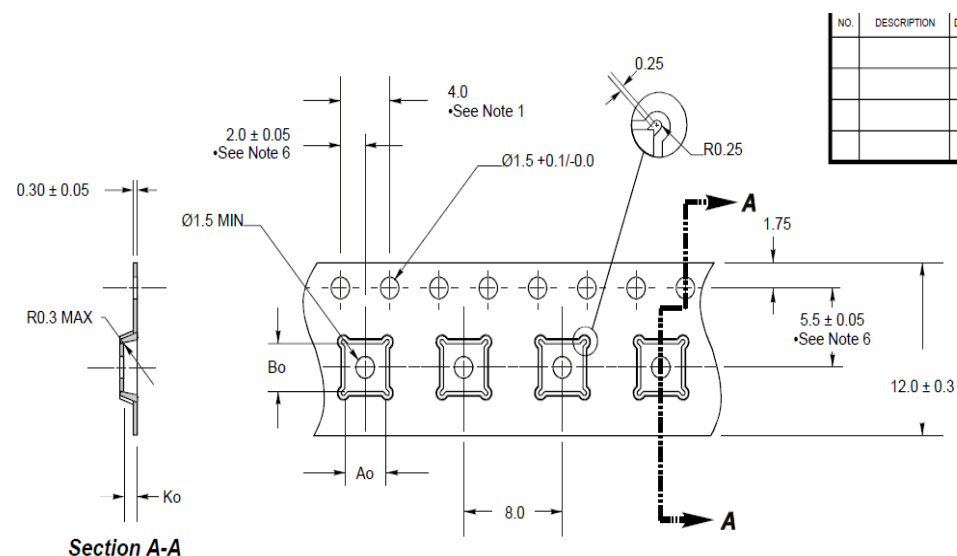
SMART | CONNECTED | SECURE

Pre and Post Change Summary

	UNIS	MTAI
Packing Media	Tape and Reel	Tape and Reel
Base Quantity Multiple (BQM)	5000	5000
Pin 1 orientation	Q1 	Q1 

Pre and Post Change Summary – Carrier Tape

UNIS

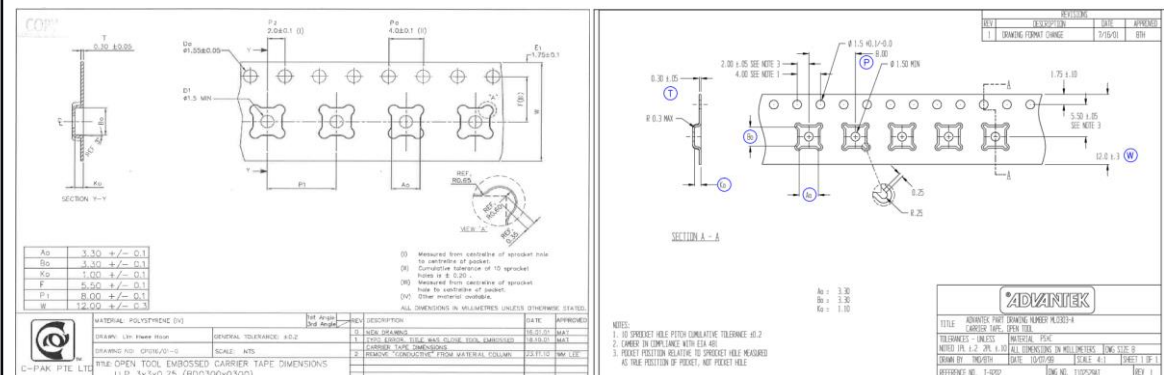


Section A-A

A₀ = 3.3 mm
B₀ = 3.3 mm
K₀ = 1.1 mm



MTAI

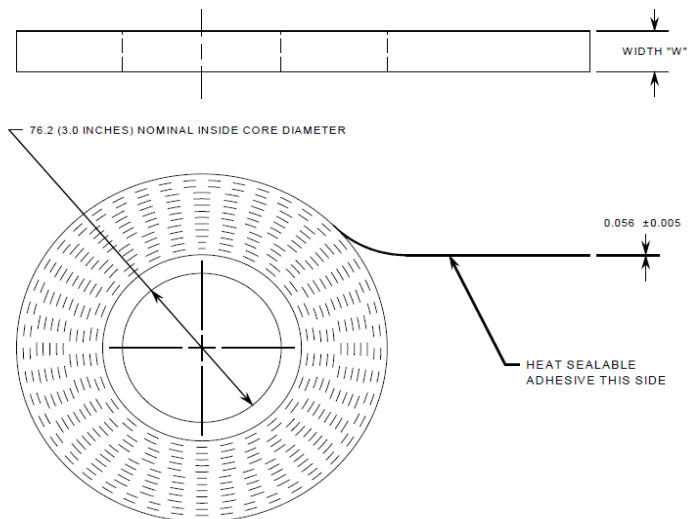


Supplier	W (mm.) ±0.3 or Specific	P (mm.) ±0.1 or Specific	A ₀ ±0.1 or Specific	B ₀ ±0.1 or Specific	K ₀ ±0.1 or Specific	Thickness ±0.05
Supplier A	12	8	3.30	3.30	1.00	0.30
Supplier B	12	8	3.30	3.30	1.10	0.30

Plant	Package	Carrier Tape Width	Cover Tape Width	Thickness of Cover Tape	Color of Cover Tape	Sealing mythology
UNIS	10L VDFN 3x3	12mm	9.2mm	0.056mm	Clear	Heat sealing
MTAI	10L VDFN 3x3	12mm	9.05+0.05/-0.15mm	0.050 ±0.010mm	Clear	Heat sealing

Pre and Post Change Summary – Cover Tape

UNIS

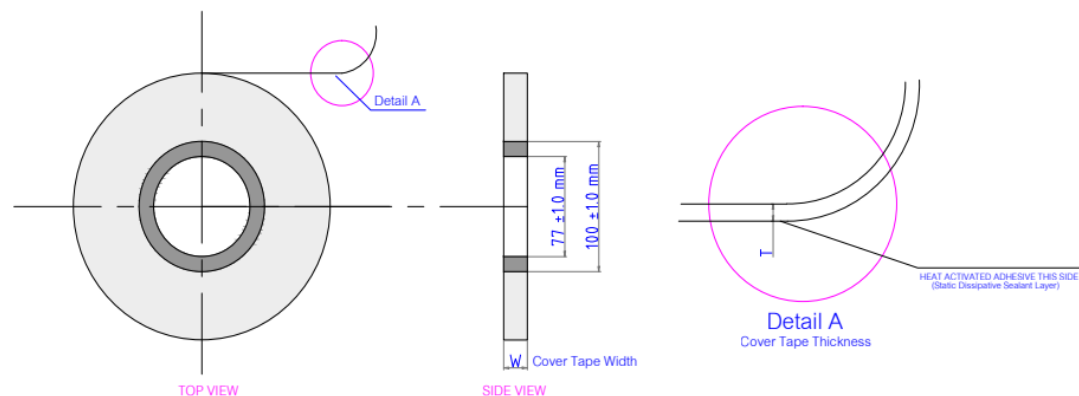


2	DBE A1111-93-2 REV. 2	
3	R10076	4/2/98 T.S
4	R10078	4/24/98 T.S
5	R-10124	3/11/99 T.S

PART NO.	WIDTH "W"
AA05305NP	5.3±0.1mm
AA05405NP	5.4±0.1mm
AA09205NP	9.2±0.1mm
AA09505NP	9.5±0.1mm
AA13105NP	13.1±0.1mm
AA13305NP	13.3±0.1mm
AA13405NP	13.4±0.1mm
AA21005NP	21.0±0.1mm
AA21305NP	21.3±0.1mm
AA25505NP	25.5±0.1mm
AA37505NP	37.5±0.1mm
AA49505NP	49.5±0.1mm
AA65505NP	65.5±0.15mm
AA81505NP	81.5±0.15mm
AA97505NP	97.5±0.20mm
AA11355NP	113.5±0.20mm
AA12955NP	129.5±0.25mm
AA14555NP	145.5±0.25mm
AA16155NP	161.5±0.30mm
AA17755NP	177.5±0.30mm
AA19355NP	193.5±0.30mm



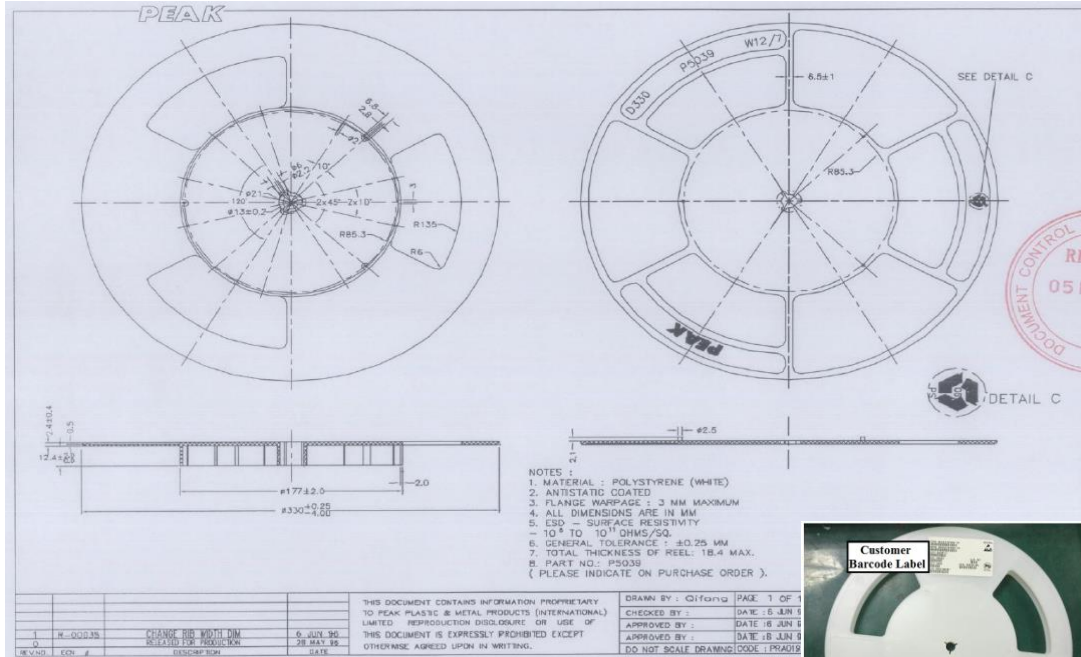
MTAI



Plant	Package	Carrier Tape Width	Cover Tape Width	Thickness of Cover Tape	Color of Cover Tape	Sealing mythology
UNIS	10L VDFN 3x3	12mm	9.2mm	0.056mm	Clear	Heat sealing
MTAI	10L VDFN 3x3	12mm	9.05+0.05/-0.15mm	0.050 ± 0.010mm	Clear	Heat sealing

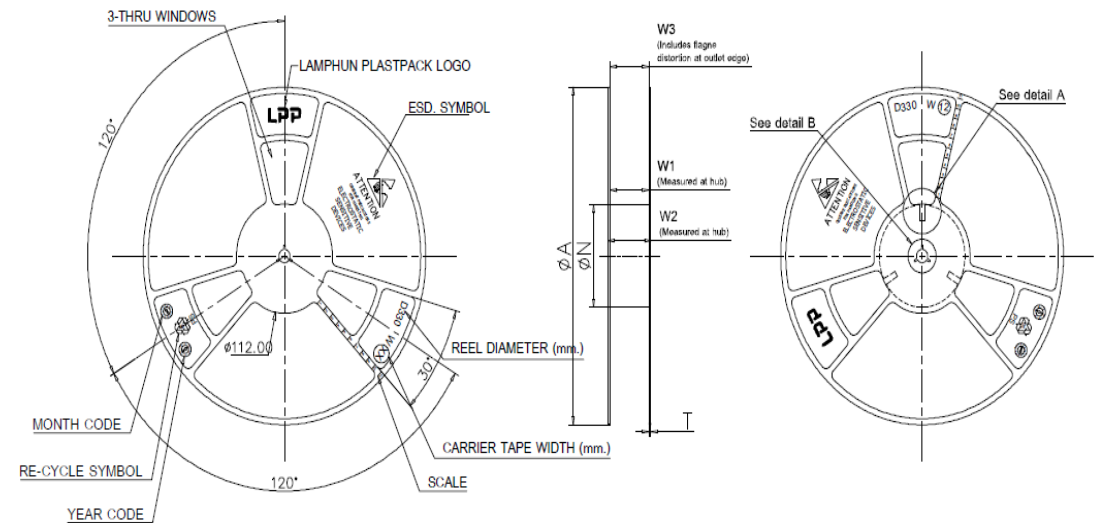
Pre and Post Change Summary - Reel

UNIS



Color: White

MTAI



Color: Dark Blue

Plant	Package	Carrier Tape Width	Reel Diameter (mm.)	Reel Hub Size (mm)	Reel Width Max (mm.)	Color
UNIS	08L VDFN 3x3	12mm	330 +4.0/-0.25	177 ±2.0	18.40	White
MTAI	10L VDFN 3x3	12mm	330 ±2.0	100 ±2.0	18.40	Dark Blue

Pre and Post Change Summary – Static Shielding Bag

UNIS

Opening

16"

16"

ATTENTION
 RADIOACTIVE MATERIALS
 CONTAINED
 ELECTROSTATIC
 SENSITIVE DEVICES

MTAI

A WIDTH

B SEAL

C Thickness

D LENGTH

Supershield
 DY360
 STATIC
 SHIELDING
 BAG
 CAUTION
 X
 RADIOACTIVE MATERIALS
 MS-15090

SEAL

C Thickness

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
1	TUBE	160	650	10	24000002
2	T/R	220	300	10	24000042
3	T/R	370	420	10	24000023
4	TRAY	280	560	10	24000061

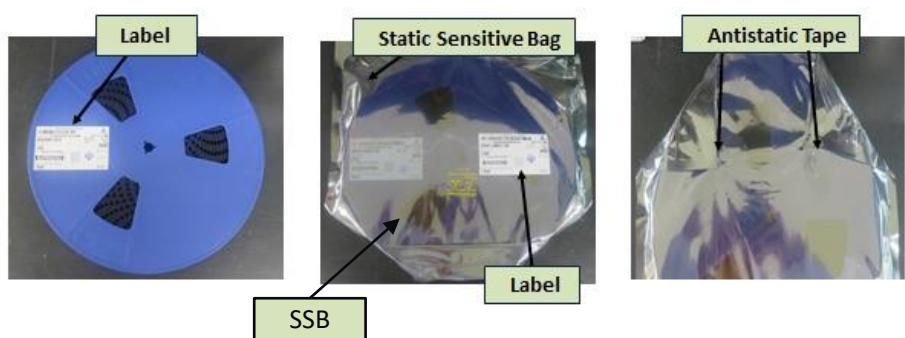
Plant	Supplier Part	Length (Inch)	Width (Inch)	Thickness (Mils)
UNIS	Static Shielding Bag c/w Printing	16	16	3
MTAI	DY3650	16.53	14.56	3

Pre and Post Change Summary – Packing Method

UNIS



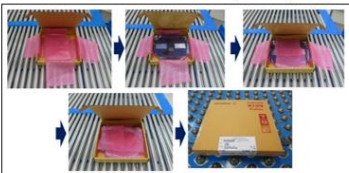
MTAI



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 12mm
M01-011 (TT)	36.5x38x39.5	15
M01-012 (B1)	35.5x35.5x2.8	1
M01-013 (B2)	35.5x35.5x4	2
M01-014 (B3)	35.5x35.5x6	3
M01-015 (B8)	35.5x35.5x16.5	8

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



Affected Catalog Part Numbers (CPN)

MIC79110-4.2YML-TR

MIC79110YML-TR



QUALIFICATION PLAN SUMMARY

PCN #: JAON-15XJYR211

**Date:
September 13, 2022**

**Qualification of MTAI as an additional final test site for
MIC79110-4.2YML-TR and MIC79110YML-TR catalog part
numbers (CPN) available in 10L VDFN (3x3x0.9mm) package.**

Purpose: Qualification of MTAI as an additional final test site for MIC79110-4.2YML-TR and MIC79110YML-TR catalog part numbers (CPN) available in 10L VDFN (3x3x0.9mm) package.

CCB No.: 5299

Test / Evaluation	Test Condition / Parameters
Correlation Plan	33 correlation units of MIC79110YML-TR to be tested at UNIS and send to MTAI for parametric correlation of ATE measured data sheet parameters.
	3,000 untested units from each package size for yield and bin-to-bin comparison (UNIS to MTAI).
	Test flow: Final Test Room 100% -> QA Sample Room.