



Product Change Notification / GBNG-12RDMM715

Date:

09-Jan-2023

Product Category:

Linear Regulators, Power MOSFET Drivers

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5300 Final Notice: Qualification of MTAI as an additional final test site for MIC5060YML-TR, MIC37303YML-T5 and MIC37303YML-TR catalog part numbers (CPN) available in 8L VDFN (3x3x0.9mm) package.

Affected CPNs:

[GBNG-12RDMM715_Affected_CPN_01092023.pdf](#)

[GBNG-12RDMM715_Affected_CPN_01092023.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 MIC5060YML-TR, MIC37303YML-T5 and MIC37303YML-TR catalog part numbers (CPN) available in 8L VDFN (3x3x0.9mm) package.

Pre and Post Change Summary:

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 16, 2022: Issued initial notification.

January 09, 2023: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on April 23, 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_GBNG-12RDMM715_Pre_and_Post_Change_Summary.pdf](#)

[PCN_GBNG-12RDMM715_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 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.

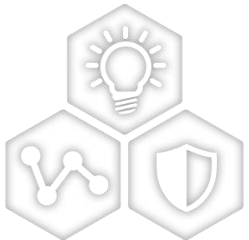
CCB 5300

Pre and Post Change Summary

PCN #: GBNG-12RDMM715

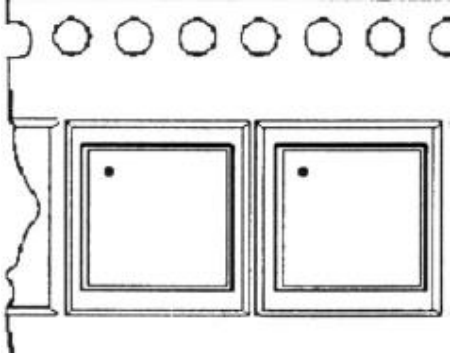
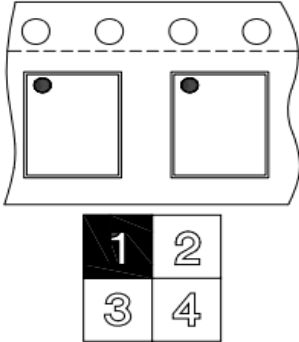


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Pre and Post Change Summary

	UNIS	MTAI
Pin1 Orientation	 <p>Quadrant 1</p>	 <p>Quadrant 1</p>
Base Quantity Multiple (BQM) – Tape and Reel	500 and 5000	500 and 5000

Pre and Post Change Summary – Carrier Tape

UNIS

0.30 ± 0.05

2.0 ± 0.05
•See Note 6

4.0
•See Note 1

0.25

R0.25

Ø1.5 ± 0.1/0.0

Ø1.5 MIN

1.75

5.5 ± 0.05
•See Note 6

12.0 ± 0.3

8.0

Ao

Bo

Ko

R0.3 MAX

Section A-A

NO.	DESCRIPTION	DATE

$A_o = 3.3 \text{ mm}$
 $B_o = 3.3 \text{ mm}$
 $K_o = 1.1 \text{ mm}$

MTAI

0.30 ± 0.05

2.0 ± 0.05
•See Note 6

4.0
•See Note 1

0.25

R0.25

Ø1.5 ± 0.1/0.0

Ø1.5 MIN

1.75

5.5 ± 0.05
•See Note 6

12.0 ± 0.3

8.0

Ao

Bo

Ko

R0.3 MAX

Section A-A

Symbol	Value
Ao	3.30 ± 0.1
Bo	3.30 ± 0.1
Ko	1.10 ± 0.1
P	8.00 ± 0.1
F	5.50 ± 0.1
W	12.00 ± 0.3

0.30 ± 0.05

2.0 ± 0.05
•See Note 6

4.0
•See Note 1

0.25

R0.25

Ø1.5 ± 0.1/0.0

Ø1.5 MIN

1.75

5.5 ± 0.05
•See Note 6

12.0 ± 0.3

8.0

Ao

Bo

Ko

R0.3 MAX

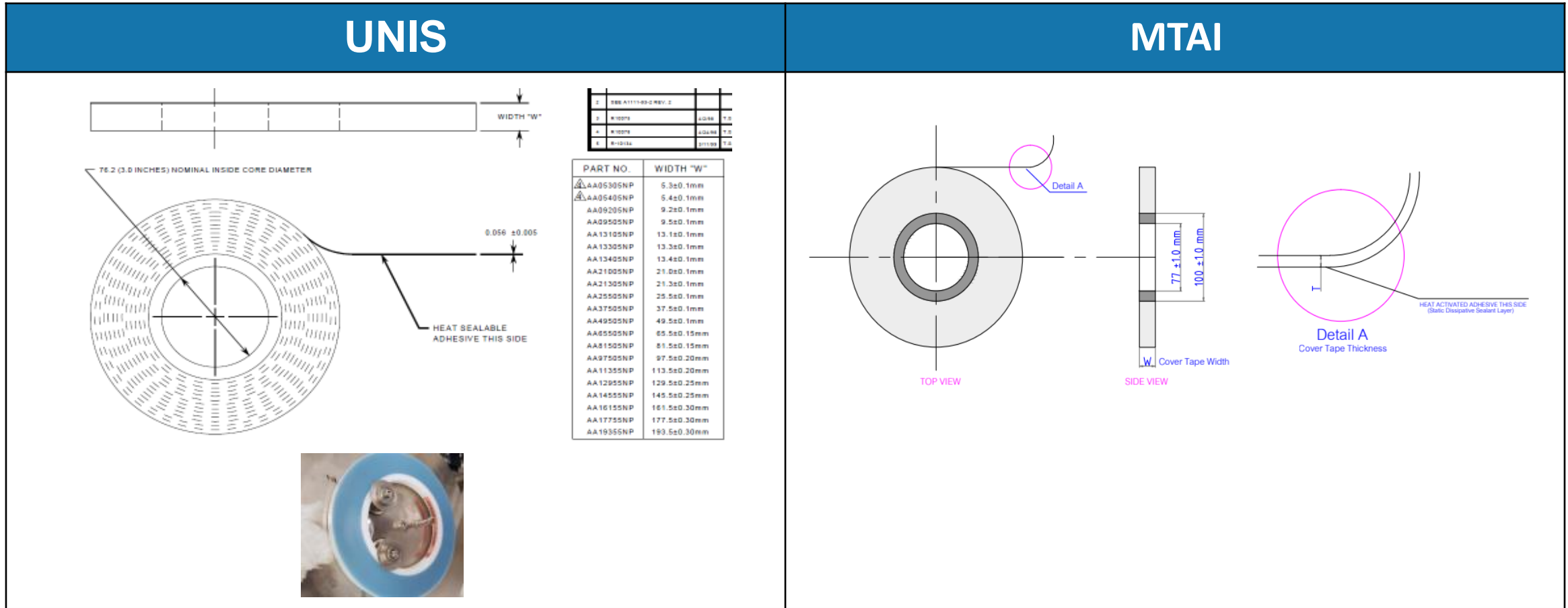
Section A-A

Symbol	Value
Ao	3.30 ± 0.1
Bo	3.30 ± 0.1
Ko	1.10 ± 0.1
P	8.00 ± 0.1
F	5.50 ± 0.1
W	12.00 ± 0.3

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
1	12	8	3.30	3.30	1.00	0.30
2	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	08LVDFN 3x3	12mm	9.2mm	0.056mm	Clear	Heat sealing
MTAI	08LVDFN 3x3	12mm	9.05+0.05/-0.15mm	0.050 ±0.010mm	Clear	Heat sealing

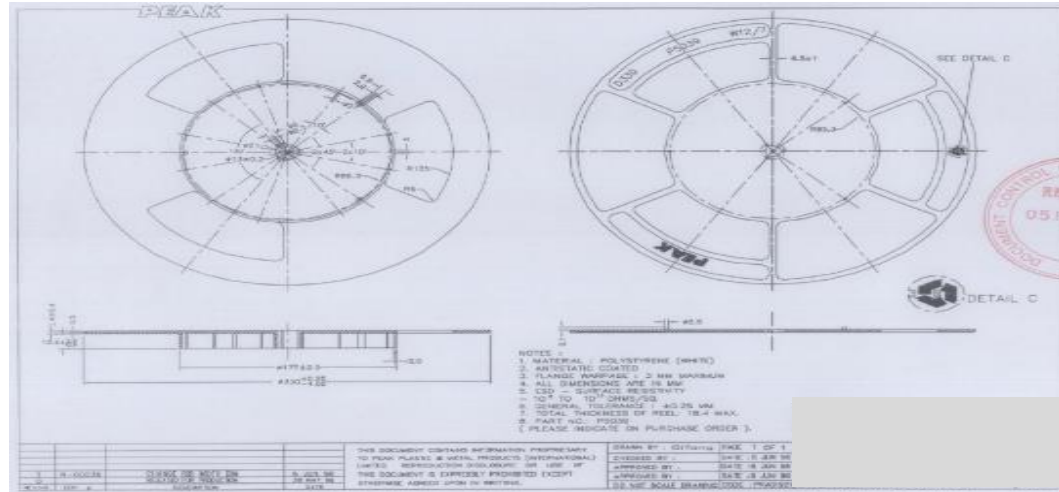
Pre and Post Change Summary – Cover Tape



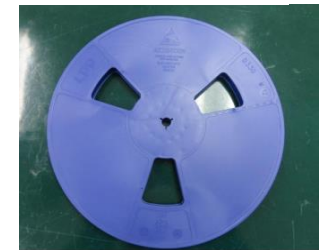
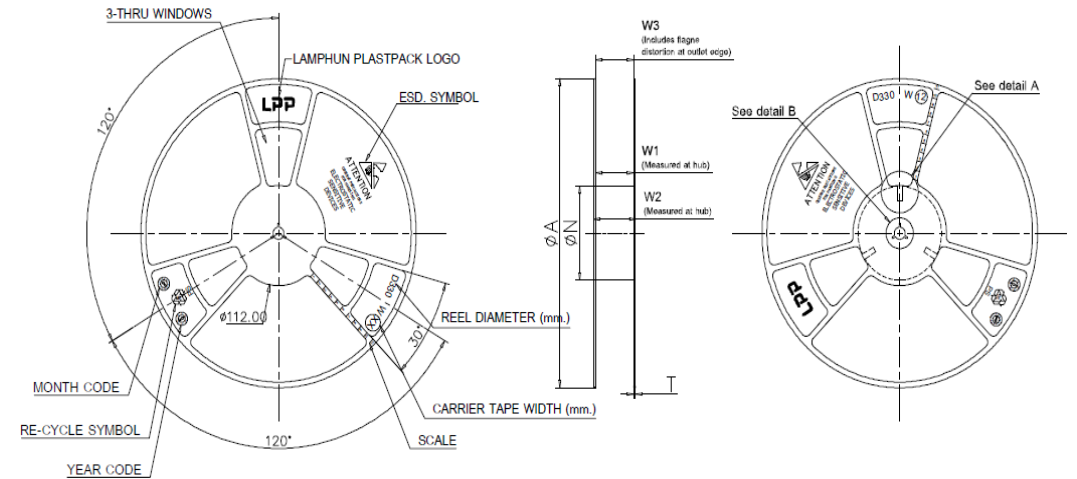
Plant	Package	Carrier Tape Width	Cover Tape Width	Thickness of Cover Tape	Color of Cover Tape	Sealing mythology
UNIS	08LVDFN 3x3	12mm	9.2mm	0.056mm	Clear	Heat sealing
MTAI	08LVDFN 3x3	12mm	9.05+0.05/-0.15mm	0.050 ± 0.010mm	Clear	Heat sealing

Pre and Post Change Summary – Plastic Reel

UNIS



MTAI



Plant	Package	Carrier Tape Width	Reel Diameter (mm.)	Reel Hub Size (mm)	Reel Width Max (mm.)	Color
UNIS	08LVDFN 3x3	12mm	330 +4.0/-0.25	177 ±2.0	18.40	White
MTAI	08LVDFN 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
DANGEROUS MATERIALS
ELECTROSTATIC
SENSITIVE DEVICE

MTAI

A
WIDTH

B SEAL

C Thickness

LENGTH

SEAL

Supershield
DY3850
STATIC
SHIELDING
FILM
CAUTION
ELECTROSTATIC SENSITIVE DEVICES
MM-YYYY

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	Length (Inch)	Width (Inch)	Thickness (Mils)
UNIS	16	16	3
MTAI	16.53	14.56	3

Pre and Post Change Summary - Packing Method (MSL-1)

UNIS

Front

Back

ESD LOGO

Customer Barcode Label

Adhesive ESD tape

ESD LOGO

Customer Barcode Label

Antistatic Bubble bag

MES ID with red sticker

Customer barcode Label

Clear Tape

MTAI

Label

Static Sensitive Bag

Antistatic Tape

SSB

Label

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

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Affected Catalog Part Numbers (CPN)

MIC5060YML-TR

MIC37303YML-T5

MIC37303YML-TR



**QUALIFICATION REPORT SUMMARY
RELIABILITY LABORATORY**

PCN #: GBNG-12RDMM715

**Date:
September 12, 2022**

**Qualification of MTAI as an additional final test site for
MIC5060YML-TR, MIC37303YML-T5 and MIC37303YML-TR
catalog part numbers (CPN) available in 8L VDFN
(3x3x0.9mm) package.**



MICROCHIP
PACKAGE QUALIFICATION REPORT

Purpose: Qualification of MTAI as an additional final test site for MIC5060YML-TR, MIC37303YML-T5 and MIC37303YML-TR catalog part numbers (CPN) available in 8L VDFN (3x3x0.9mm) package.

CCB No.: 5300

Test / Evaluation	Test Condition / Parameters	Result
Correlation Plan	33 correlation units of MIC5060YML-TR and MIC37303YML-TR to be tested at UNIS and send to MTAI for parametric correlation of ATE measured data sheet parameters.	PASSED
	3,000 untested units from each package size for yield and bin-to-bin comparison (UNIS to MTAI).	PASSED
	Test flow: Final Test Room 100% -> QA Sample Room.	PASSED