



Product Change Notification / LIAL-04MJOW029

Date:

08-Dec-2022

Product Category:

Switching Regulators

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6023 Final Notice: Qualification of MTAI as a new final test site for LX7167CLD-TR and LX7167ACLD-TR catalog part numbers (CPN) available in 8L WDFN (2x2x0.8mm) package.

Affected CPNs:

[LIAL-04MJOW029_Affected_CPN_12082022.pdf](#)

[LIAL-04MJOW029_Affected_CPN_12082022.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 a new final test site for LX7167CLD-TR and LX7167ACLD-TR catalog part numbers (CPN) available in 8L WDFN (2x2x0.8mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

Estimated Implementation Date								x				
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Method to Identify Change:Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History:December 8, 2022: 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_LIAL-04MJOW029 Qual Report.pdf](#)

[PCN_LIAL-04MJOW029_Pre and Post Change Summary.pdf](#)

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

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QUALIFICATION REPORT SUMMARY

PCN #: LIAL-04MJOW029

**Date:
December 2, 2022**

**Qualification of MTAI as a new final test site for
LX7167CLD-TR and LX7167ACLD-TR catalog part numbers
(CPN) available in 8L WDFN (2x2x0.8mm) package.**



Purpose Qualification of MTAI as a new final test site for LX7167CLD-TR and LX7167ACLD-TR catalog part numbers (CPN) available in 8L WDFN (2x2x0.8mm) package.

CCB No. 6023

Test / Evaluation	Test Condition / Parameters	Result(s)
Correlation Plan	33 correlation units of U0131QNYCA01 to be tested at UDG and send to MTAI for parametric correlation of ATE measured data sheet parameters	Passed
	3,000 untested units for yield and bin-to-bin comparison (UDG to MTHAI).	Passed
	Test flow: Final Test Room 100% -> QA 100% Room.	Passed

Affected Catalog Part Numbers (CPN)

LX7167ACLD-TR

LX7167CLD-TR

CCB 6023

Pre and Post Change Summary

PCN #: LIAL-04MJOW029



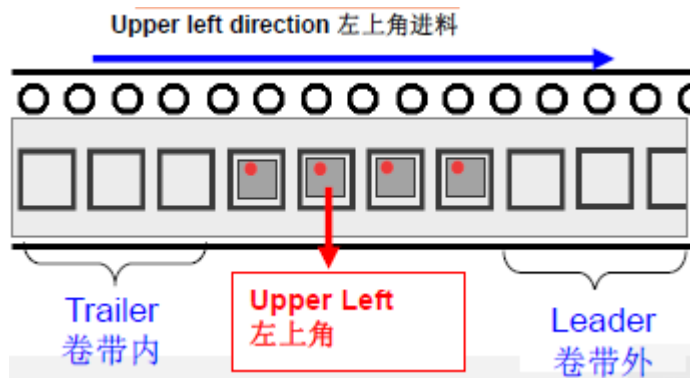
A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



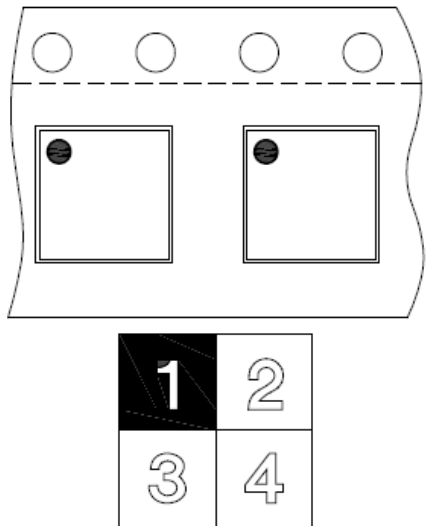
SMART | CONNECTED | SECURE

Pin1 Orientation Quadrant in Tape and Reel

UDG



MTAI



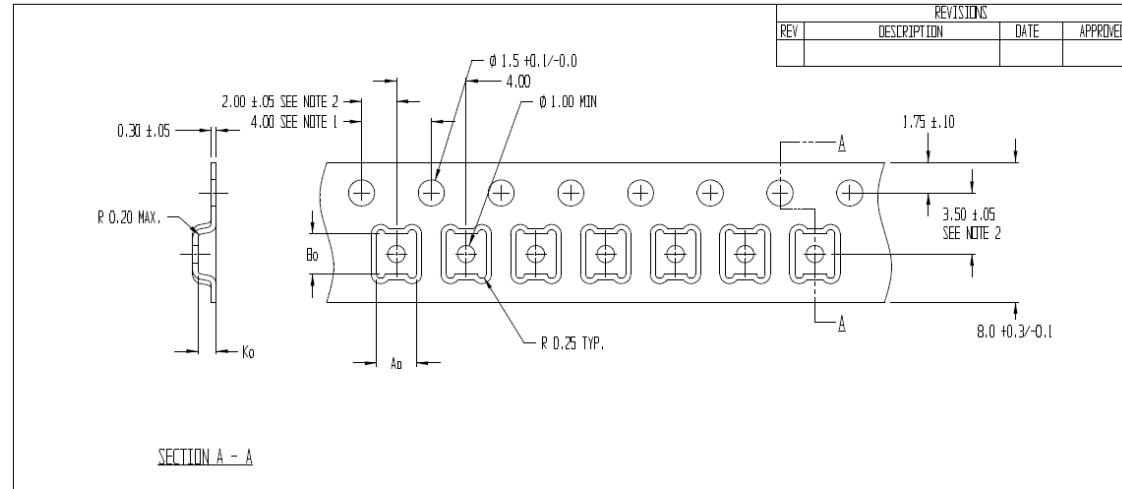
Quadrant 1

Base Quantity Multiple (BQM) per reel

UDG	MTAI
Units per reel: 3000 1 reel per bag	Units per reel: 3000 1 reel per bag

Carrier Tape

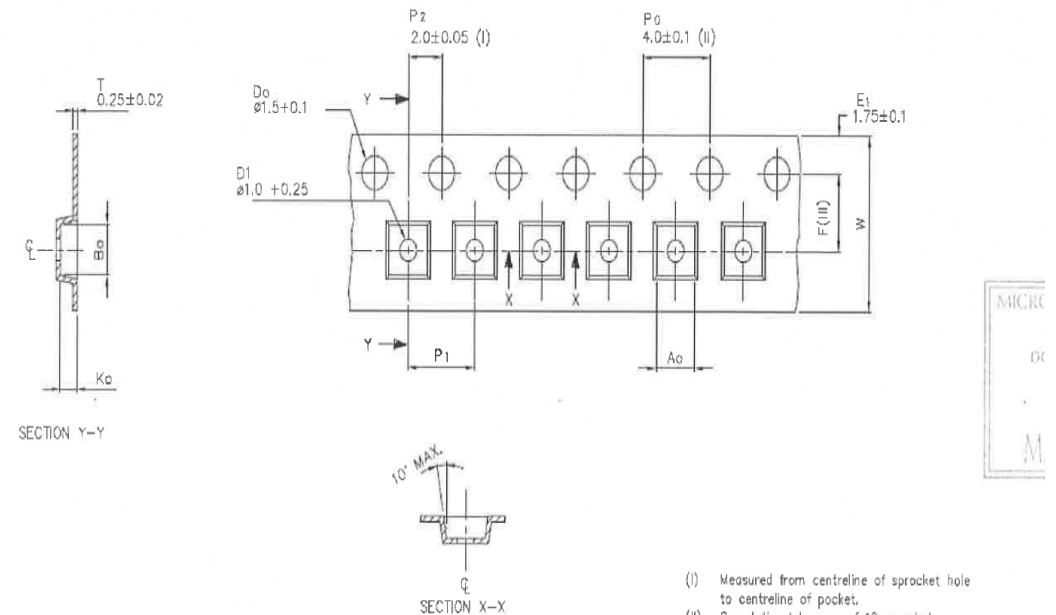
UDG


$$\begin{aligned} A_D &= 2.30 \\ B_D &= 2.30 \\ K_D &= 1.05 \end{aligned}$$

NOTES:

1. TO SPROCKET HOLE PITCH CUMULATIVE TOLERANCE ± 0.2
2. POCKET POSITION RELATIVE TO SPROCKET HOLE MEASURED AS TRUE POSITION OF POCKET, NOT POCKET HOLE
3. A_0 AND B_0 ARE CALCULATED ON A PLANE AT A DISTANCE "R" ABOVE THE BOTTOM OF THE POCKET.

MTAI



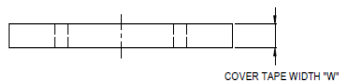
Ao	2.30 $\pm$ 0.05
Bo	2.30 $\pm$ 0.05
Ko	1.00 $\pm$ 0.05
F	3.50 $\pm$ 0.05
P1	4.00 $\pm$ 0.1
W	8.00 $\pm$ 0.3

- (I) Measured from centreline of sprocket hole to centreline of pocket.
 - (II) Cumulative tolerance of 10 sprocket holes is ± 0.20 .
 - (III) Measured from centreline of sprocket hole to centreline of pocket.
 - (IV) Other material available.
 - (V) Typical SR of form tape Max 10^{-9} OHM/SQ
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

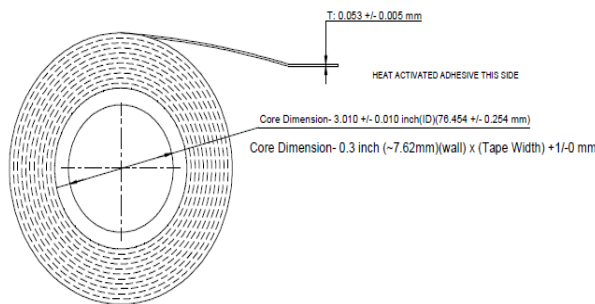
Plant	W (mm.)	P (mm.)	A0 (mm.)	B0 (mm.)	K0 (mm.)	K1 (mm.)	Thickness
UDG	8.0+0.3/-0.1	4.0±0.10	2.30 ±0.10	2.30 ±0.10	1.05 ±0.2	-	0.30 ±0.05
MTAI	8 +0.30/-0.10	4 ±0.10	2.30 ±0.05	2.30 ±0.05	1.00 ±0.05	-	0.25 ±0.02

Cover Tape

UDG



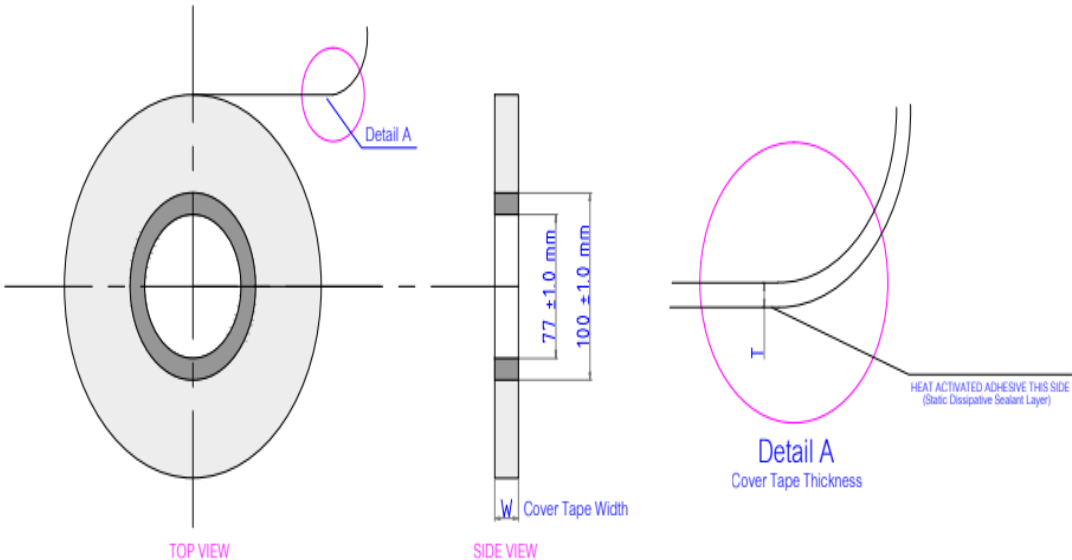
REVISIONS			
REV.	DESCRIPTION	DATE	INT
0.	Original	03/02/2012	NSU



PART NO.	WIDTH "W"
HSAxxxx-yyy	xxxx=width type (i.e. 0092=9.20 mm, 1135=113.5 mm)
-yyy=Length (i.e. -300=300 M)	

NOTE:
1. ADV P/N: HSAxxxx-yyy (i.e. HSA0054=5.4mm)
2. Width tolerance (mm): +/- 0.1 mm (Unless specific items)
3. Length (M): -yyy +5/-0 M, where yyy=Length
4. Please refer to Tech Bulletins for related properties information

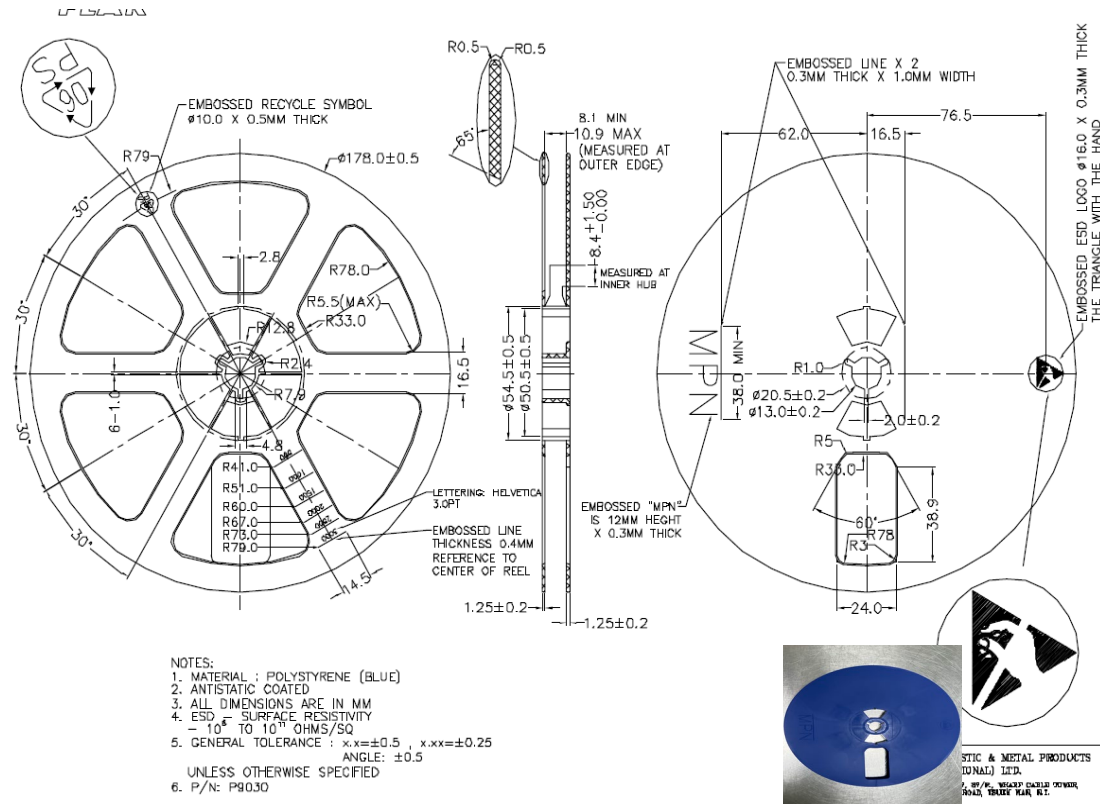
MTAI



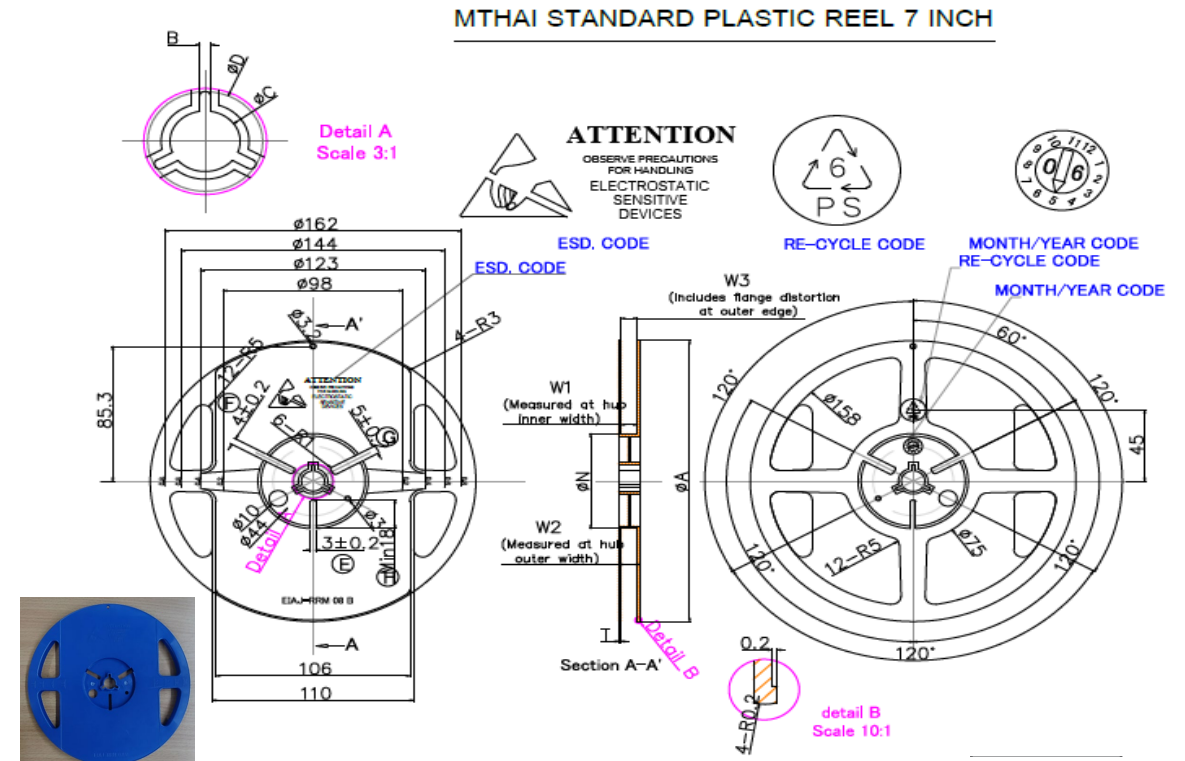
Plant	Width W (mm.)	Thickness T (mm.)	Color	Sealing Methodology
UDG	5.4±0.1	0.053 ±0.005mm	Clear	Heat sealing
MTAI	5.3 ±0.1	0.050 ±0.010mm	Clear	Heat sealing

Plastic Reel

UDG



MTAI



Plant	Reel Diameter (mm.)	Reel Hub Size (mm)	Reel Width Max (mm.)	Color
UDG	178.0 ± 0.5	54.5 ± 0.5	10.9	Blue
MTAI	178 ± 2.0	60.5 ± 0.50	14.40	Dark Blue

Tape and Reel Packing Method for MSL-1

UDG

SBB Bag Width: 280mm

SBB Bag Length: 3200mm

Stick labels on reel

Stick labels on sealed bag

Pack the bag into inner box

Stick labels on inner box

use bubble sheet or dummy box to fill

Carton PN	Carton Dimension W x L x H(cm)	Inner Box Qty	Inner Box Dimension WxLxH(cm)
35801752	38.1x34.0x19.1	2	22.0x20.4x3.5
35801759	49.6x37.5x17.8	4	
35801751	49.6x37.5x24.8	10	
35801580	49.6x37.8x34.7	12	

MTAI

A

B

C

BAG WIDTH

220 mm

BAG LENGTH

300 mm

SSB

Label

Static Sensitive Bag

Antistatic Tape

Label

MSL-1 (No inner box)

Carton	Dimension W x L x H (cm)	Number of reel per carton	
		Reel diameter (D) = 180mm	
		Carrier Tape Width 8mm	
M01-016 (Q1)	21x21x5.5	3	
M01-017 (Q5)	21x21x8	5	
M01-018 (Q0)	16x21.5x21	10	
M01-019 (Q2)	21x31x21	20	
M01-030 (C8)	28x63x20	52	

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