



Product Change Notification / GBNG-20LJOX814

Date:

02-Sep-2020

Product Category:

Memory

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4253 Final Notice: Qualification of MMT as an additional final test site for selected Atmel AT27xxx device family available in 44L PLCC (16.6x16.6x4.4mm) package.

Affected CPNs:

[GBNG-20LJOX814_Affected_CPN_09022020.pdf](#)

[GBNG-20LJOX814_Affected_CPN_09022020.csv](#)

Notification Text:

PCN Status:Final notification

PCN Type:Manufacturing Change

Microchip Parts Affected:Please open one of the icons found in the Affected CPNs section above.

NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).

Description of Change:Qualification of MMT as an additional final test site for selected Atmel AT27xxx device family available in 44L PLCC (16.6x16.6x4.4mm) package.

Pre Change:Tested at MPHL final test site.

Post Change:

Tested at MPHL or MMT final test site.

Pre and Post Change Summary:

		Pre Change	Post Change		
Final Test Site		Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Thailand (Branch) (MMT)	
Base Quantity Multiple (BQM)		No changes	No changes	No changes	
Pin 1 Orientation	Tube	See Pre and Post Change summary			
	Tape & Reel	Quadrant 1	Quadrant 1	Quadrant 1	
Carrier Tape Dimension		No dimensional changes. See Pre and Post Change summary			
Cover Tape Dimension		No dimensional changes. See Pre and Post Change summary			
Sealing Method		Pressure seal	Pressure seal	Heat seal	
Plastic Reel Dimension		Minor dimensional changes. See Pre and Post Change summary			

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying MMT as an additional final test site.

Change Implementation Status:In Progress

Estimated First Ship Date:October 01, 2020 (date code: 2040)

NOTE: Please be advised that after the estimated first ship date customers may receive pre and post change parts.

Time Table Summary:

Workweek	June 2020					-->	September 2020				October 2020				
	23	24	25	26	27		36	37	38	39	40	41	42	43	44
Initial PCN Issue Date				X											
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:June 25, 2020: Issued initial notification.**September 2, 2020:** Issued final notification. Provided estimated

first ship date of October 1, 2020. Attached qual report.

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-20LJOX814_Qual_Report.pdf](#)

[PCN_GBNG-20LJOX814_Pre_and_Post_Change_Summary.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.

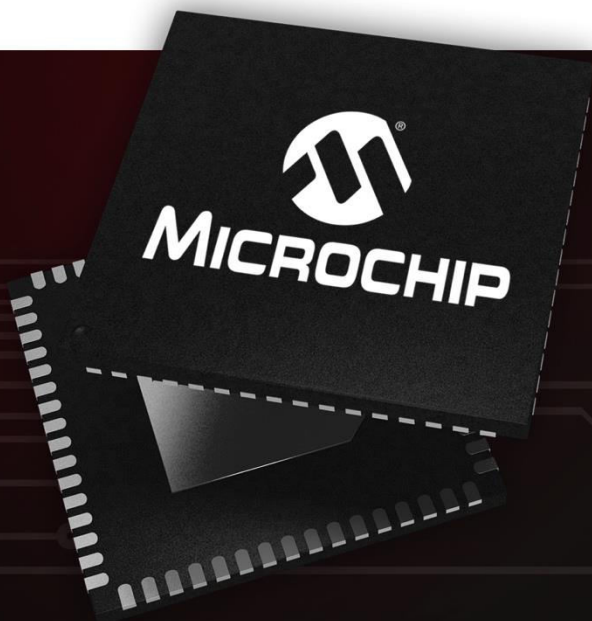
If you wish to [change your PCN profile, including opt out](#), please go to the [PCN home page](#) select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

Affected Catalog Part Numbers (CPN)

AT27BV1024-90JU
AT27BV1024-90JU-T
AT27C1024-45JU
AT27C1024-70JU
AT27C1024-45JU-T
AT27C1024-70JU-T
AT27C2048-55JU
AT27C2048-90JU
AT27C2048-55JU-T
AT27C2048-90JU-T
AT27C4096-55JU
AT27C4096-90JU
AT27C4096-55JU-T
AT27C4096-90JU-T



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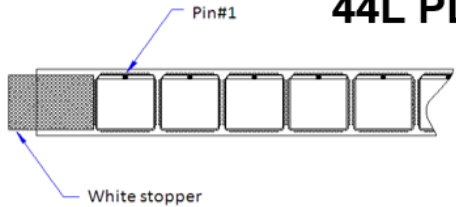


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PCN #:GBNG-20LJOX814
CCB 4253_Pre and Post Change Summary

Pre and Post Change

Final Test Site		MPHL	MMT
BQM (Base Quantity Multiple)	Tube	27	27
	TNR	500	500
Pin Orientation	Tube	<p>Pin 1 facing towards the 'Antistatic' printed on tube</p> 	 <p>44L PLCC</p>
	TNR	Quadrant 1	Quadrant 1

Tube Packing Information

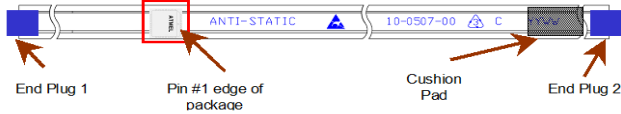
MSL 2 – PLCC TUBE PACKING PROCEDURE (MPHL)

1. Pin 1 Orientation

For PLCC 20/28/44L



For PLCC 32L



2. Tube Bundling

PLCC 32 – 30 tubes per bag
PLCC 44 – 20 tubes per bag



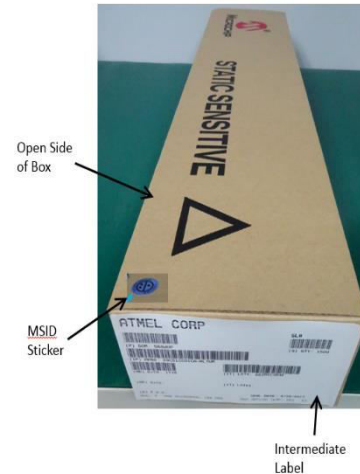
3. Moisture Barrier Bag Labels



4. Wrap bag with bubble pack



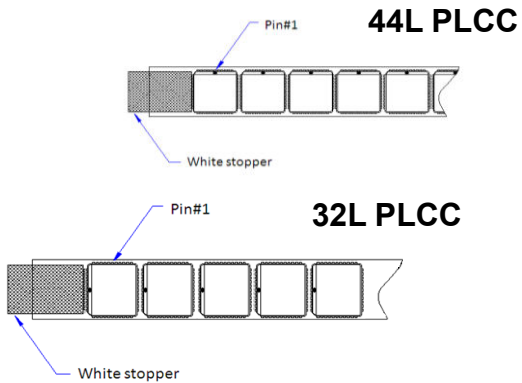
5. Tube Box Packing



Tube Packing Information

MSL 2 – PLCC TUBE PACKING PROCEDURE (MMT)

1. Pin 1 Orientation



2. Tube Bundling

PLCC 32 – 30 tubes per bag
 PLCC 44 – 20 tubes per bag

3. Moisture Barrier Bag Labels



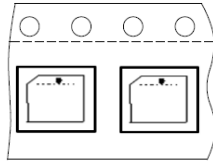
4. Tube Box Packing



Tape & Reel Packing Information

MSL 2 – T/R Dry PACK PROCEDURE (MPHL)

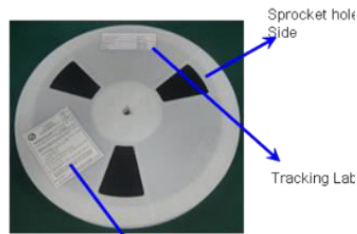
Pin 1 Orientation Quadrant 1



Carrier Tape



ESD Label (2x2)
not required if



MSL Label
(Keep it Blank)

Label Placement at Box



Tape & Reel Packing Information

MSL 2 – T/R Dry PACK PROCEDURE (MMT)

13" Reel for New MBB with Caution printing

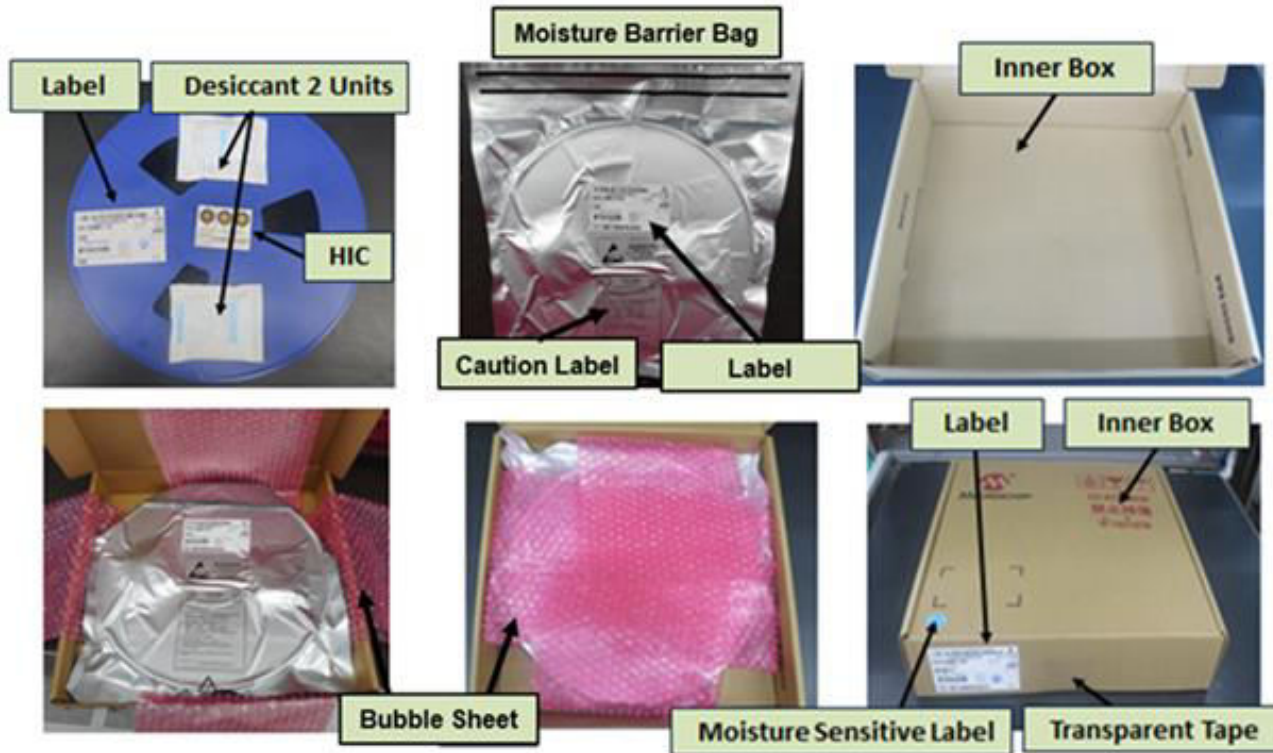
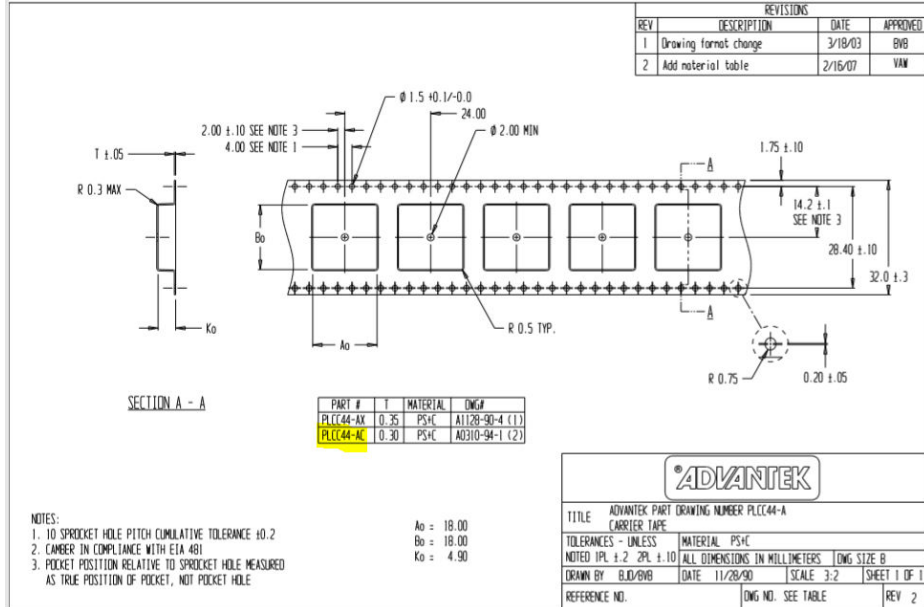


Figure 8.6.1B Dry pack for tape and reel

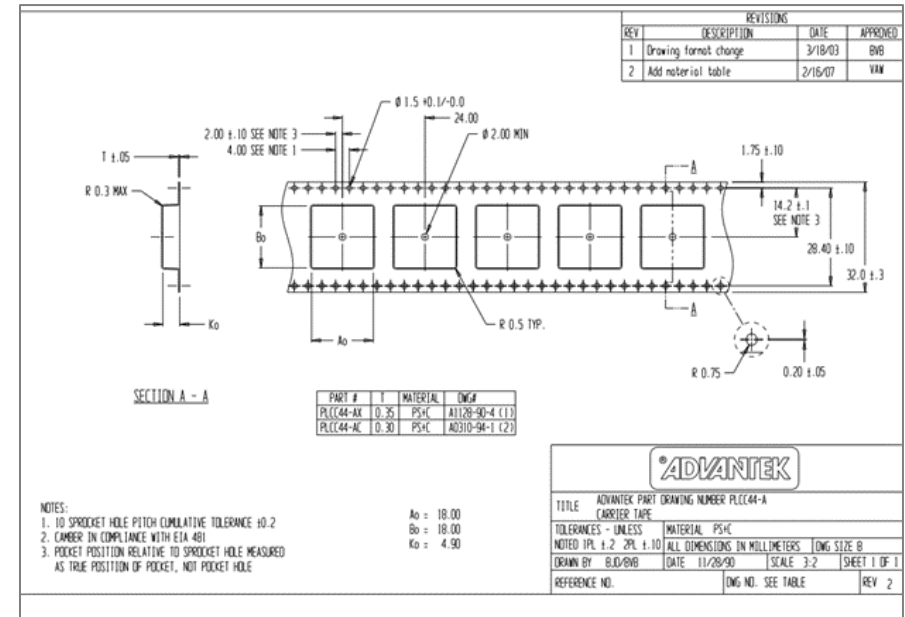
Carrier Tape

MPHL



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
32	24	18+/-0.1	18+/-0.1	4.9+/-0.1

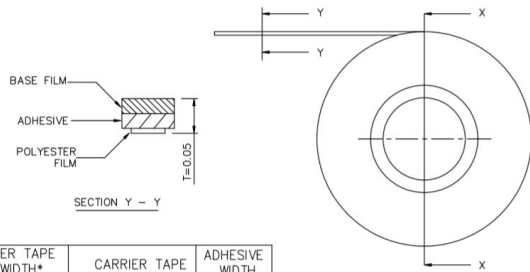
MMT



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
32	24	18+/-0.1	18+/-0.1	4.9+/-0.1

Cover Tape

MPHL



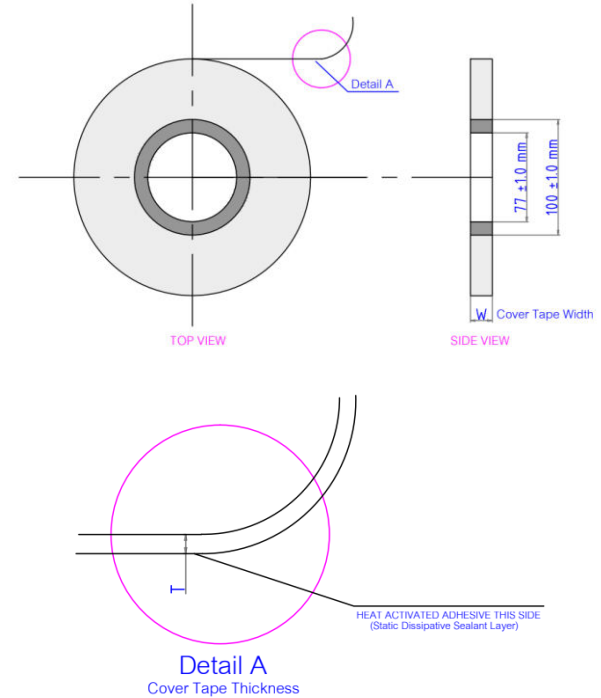
COVER TAPE WIDTH* (W ±0.1)	CARRIER TAPE WIDTH	ADHESIVE WIDTH (W ±0.15)
5.3	8	0.7x2
7.3	12	1.0x2
9.3	12	1.0x2
13.3	16	1.0x2
21.3	24	1.15x2
25.5, 26.3	32	1.15x2
37.5	44	1.65x2
49.5	56	1.65x2
65.5	72	1.65x2

- NOTES
- 1 THICKNESS : 0.045–0.055mm.
 - 2 LIGHT TRANSMITTANCE : >80%
 - 3 TENSILE STRENGTH : 9.7kg/mm sq.
 - 4 ELONGATION : >120%
 - 5 SURFACE RESISTIVITY
UNDERSIDE : 10^{10} OHMS/SQ MAX.
TOPSIDE : 10^{10} OHMS/SQ
 - *6 OTHER COVER TAPE WIDTH REFER TO W4.08–04.

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

Carrier Width	Width "W" (mm)	Thickness (mm)	Sealing Mythology
32mm	25.5 +/-0.1	0.050 ±0.010	Pressure Seal

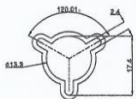
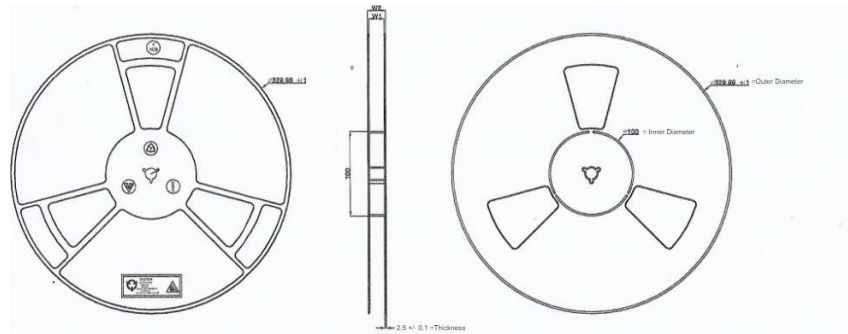
MMT



Carrier Width	Width "W" (mm)	Thickness (mm)	Sealing Mythology
32mm	25.5 +/-0.1	0.050 ±0.010	Heat Sealing

Plastic Reel

MPHL



Tape Width	W1	W2
12mm	13.5 ± 0.5	17.5 ± 1.0
16mm	17.5 ± 0.5	21.5 ± 1.0
24mm	25.5 ± 0.5	29.5 ± 1.0
32mm	33.0 ± 0.5	36.5 ± 1.0

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE MILLIMETERS TOLERANCE

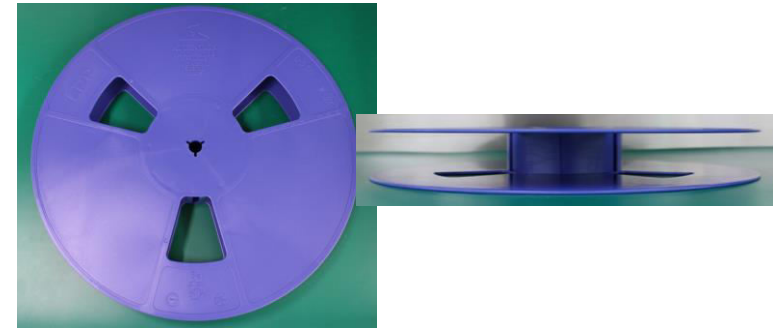
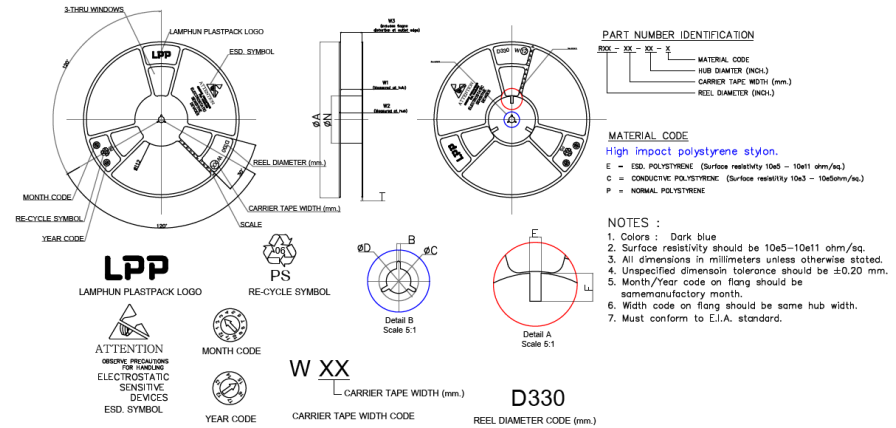
THIRD ANGLE PROJECTION

1:1 2:1 3:1 4:1 5:1 10:1 20:1 30:1 40:1 50:1 100:1 200:1 300:1 400:1 500:1 1000:1 2000:1 3000:1 4000:1 5000:1

TITLE 330MM PLASTIC REEL

Width	Hub	Color
32mm	4inch (100mm)	White

MMT



Width	Hub	Color
32mm	4inch (100mm)	Dark Blue

End of Presentation