

Product Change Notification / ASER-23WWAI681

	Pre Change	Post Change]		
Pre and Post Change Summary:					
Post Change:Tested at MMT final test	site.				
Pre Change:Tested at MPHIL final test	site.				
Description of Change:Qualification of MMT as a new final test site for selected Atmel AT27C/BV/LVxxxPU/JUxxx products					
NOTE: For your convenience Microchip includes identical files in two formats (.pdf and .xls).					
Microchip Parts Affected:Please open	one of the icons found in the Aff	ected CPNs section above.			
PCN Type:Manufacturing Change					
PCN Status:Final notification					
Notification Text:					
ASER-23WWAI681_Affected_0 ASER-23WWAI681_Affected_0	*				
Affected CPNs:					
CCB 4235 Final Notice: Qualifica AT27C/BV/LVxxxPU/JUxxx produ		test site for selected Atmel			
Notification Subject:					
Manufacturing Change					
PCN Type:					
Memory					
Product Category:					
28-Jul-2020					
Date:					

Final Test Site		Microchip Technology Operations (Philippines) Corporation (MPHL)	Microchip Technology Thailand (MMT)			
	Base Quantity Multiple (BQM)	Various. No BQM change.				
	Pin 1 Orientation	Quadrant 1	Quadrant 1			
	With Desiccant and HIC?	Yes	Yes			
Packing Media:	Carrier Tape Dimension	See pre and post	change comparison.			
Tape and Reel	Cover Tape	Minor dime	nsional changes.			
	Dimension	See pre and post change comparison.				
	Reel Dimension	Minor dimensional changes. See pre and post change comparison.				
	Packaging Process	See pre and post	See pre and post change comparison.			
	Base Quantity Multiple (BQM)	Various. No	o BQM change.			
Packing Media:	Pin 1 Orientation	Pin 1 Toward Black/Blue/Green Pin	Pin 1 Toward White Pin			
Tube	Tube Dimensions	No dimens	ional changes			
	Plug Color	Clear	Clear			
	Packaging Process	See pre and post change comparison.				

Impacts to Data Sheet:None

Change Impact:None

Reason for Change:To improve manufacturability by qualifying MMT as a new final test site.

Change Implementation Status:In Progress

Estimated First Ship Date: August 17, 2020 (date code: 2034)

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

Time Table Summary:

		Ju	ne 20	20			July	2020			Auç	just 2	020	
Workweek	2	2 4	2 5	2 6	2 7	2 8	2 9	3 0	3 1	3 2	3	3 4	3 5	3 6
Initial PCN Issue Date				Χ										

Qual Report Availability				Х				
Final PCN Issue Date				Χ				
Estimated Implementation Date							Х	

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 **July 14, 2020:** Issued final notification. Attached the qualification report. Provided estimated first ship date to be on August 17, 2020 **July 28, 2020:** Reissued final notification. Reattached the qualification report. Corrected the pin orientation within the PCN letter. Corrected titles contained in page 5 and 6 of the Pre and Post Change document.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachments:

PCN ASER-23WWAI681_Pre and Post Change Summary.pdf PCN_ASER-23WWAI681_Qual_Report.pdf

Please contact your local Microchip sales office with questions or concerns regarding this notification.

Terms and Conditions:

If you wish to <u>receive Microchip PCNs via email</u> please register for our PCN email service at our <u>PCN</u> home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the <u>PCN FAQ</u> section.

If you wish to <u>change your PCN profile</u>, <u>including opt out</u>, please go to the <u>PCN home page</u> select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.



QUALIFICATION REPORT SUMMARY

PCN#: ASER-23WWAI681

Date: July 10, 2020

Qualification of MMT as a new final test site for selected Atmel AT27C/BV/LVxxxPU/JUxxx products.

Purpose: Qualification of MMT as a new final test site for selected

Atmel AT27C/BV/LVxxxPU/JUxxx products.

CCB No.: 4235

Test / Evaluation	Test Conditions / Parameters	Results
Datalog/Bin Comparison	 Compare overall yield, speed distribution, test bin pass/fail results. Accept if all match or justify the differences 	Passed
Correlation Lot Report	 Yield at each step and reject analysis between systems. Min 3K units are tested for each program/density conversion we perform. Accept on yield match within 1% 	Passed





PCN # ASER-23WWAI681 CCB 4235_Pre and Post Change Summary



Affected Parts List

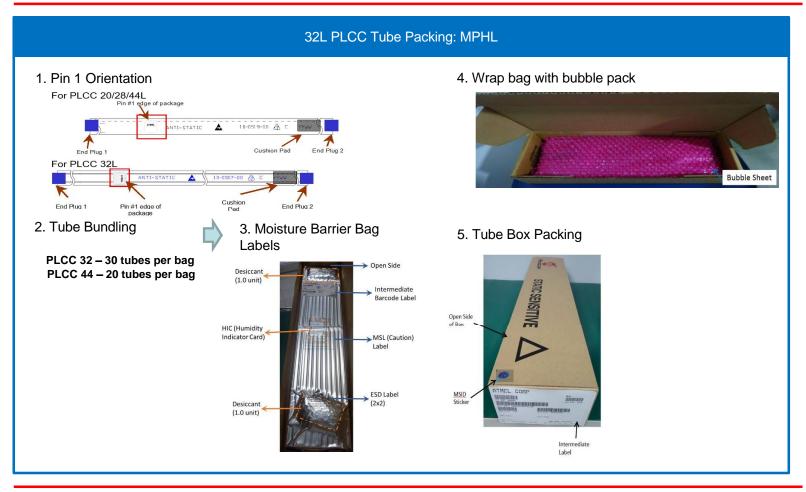
Packing Media: Tube

CPN	Lead Count	Pkg Type	Base Quantity Multiple	Packing Media
AT27BV256-70JU	32.00	PLCC	32.00	Tube
AT27LV256A-90JU	32.00	PLCC	32.00	Tube
AT27LV512A-90JU	32.00	PLCC	32.00	Tube
AT27BV010-90JU	32.00	PLCC	32.00	Tube
AT27LV010A-70JU	32.00	PLCC	32.00	Tube
AT27LV020A-12JU	32.00	PLCC	32.00	Tube
AT27C256R-45JU	32.00	PLCC	32.00	Tube
AT27C256R-70JU	32.00	PLCC	32.00	Tube
AT27C256R-70JU-306	32.00	PLCC	32.00	Tube
AT27C256R-45PU	28.00	PDIP	14.00	Tube
AT27C256R-70PU	28.00	PDIP	14.00	Tube
AT27C512R-45JU	32.00	PLCC	32.00	Tube
AT27C512R-70JU	32.00	PLCC	32.00	Tube
AT27C512R-45PU	28.00	PDIP	14.00	Tube
AT27C512R-70PU	28.00	PDIP	14.00	Tube
AT27C1024-45PU	40.00	PDIP	10.00	Tube
AT27C1024-70PU	40.00	PDIP	10.00	Tube
AT27C2048-90PU	40.00	PDIP	10.00	Tube

CPN	Lead Count	Pkg Type	Base Quantity Multiple	Packing Media
AT27C020-55PU	32.00	PDIP	12.00	Tube
AT27C020-90PU	32.00	PDIP	12.00	Tube
AT27C020-55JU	32.00	PLCC	32.00	Tube
AT27C020-90JU	32.00	PLCC	32.00	Tube
AT27C4096-90PU	40.00	PDIP	10.00	Tube
AT27C4096-55PU	40.00	PDIP	10.00	Tube
AT27C040-70PU	32.00	PDIP	12.00	Tube
AT27C040-90PU	32.00	PDIP	12.00	Tube
AT27C040-70JU	32.00	PLCC	32.00	Tube
AT27C040-90JU	32.00	PLCC	32.00	Tube
AT27C080-90PU	32.00	PDIP	12.00	Tube
AT27C080-90PU	32.00	PDIP	12.00	Tube
AT27C080-90JU	32.00	PLCC	32.00	Tube
AT27C080-90JU	32.00	PLCC	32.00	Tube
AT27C010-70PU	32.00	PDIP	12.00	Tube
AT27C010-45JU	32.00	PLCC	32.00	Tube
AT27C010-70JU	32.00	PLCC	32.00	Tube
AT27LV040A-90JU	32.00	PLCC	32.00	Tube



TUBE PACKING: PLCC Package

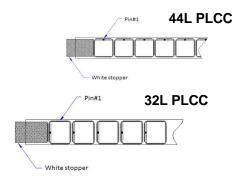




TUBE PACKING: PLCC Package

32L PLCC Tube Packing: MMT

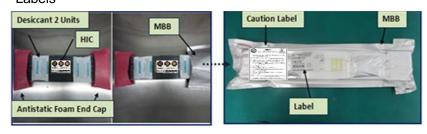
1. Pin 1 Orientation



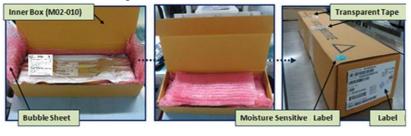
2. Tube Bundling

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

3. Moisture Barrier Bag Labels



4. Tube Box Packing

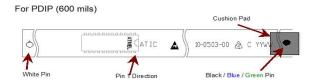




TUBE PACKING: PDIP Package

28L/32L/40L PDIP Tube Packing: MPHL 4. Wrap bag with bubble pack

1. Pin 1 Orientation



2. Tube Bundling

PDIP 32 - 40 Tubes/Bag PDIP 40 - 24 Tubes/Bag

3. Shielding Bag Labels



ESD label use for seal

Open Side of Bag

Intermediate Barcode Label



5. Tube Box Packing





TUBE PACKING: PDIP Package

28L/32L/40L PDIP Tube Packing: MMT

1. Pin 1 Orientation

Pin 1 Side White End Pin

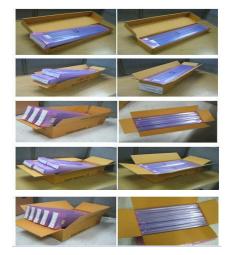
2. Tube Bundling

PDIP 28 – 24 Tubes/Bag PDIP 32 – 40 Tubes/Bag PDIP 40 – 24 Tubes/Bag

3. Antistatic Pink bag



4. Tube Outer Box Packing Packing for PDIP tubes (Sample)





Affected Parts List

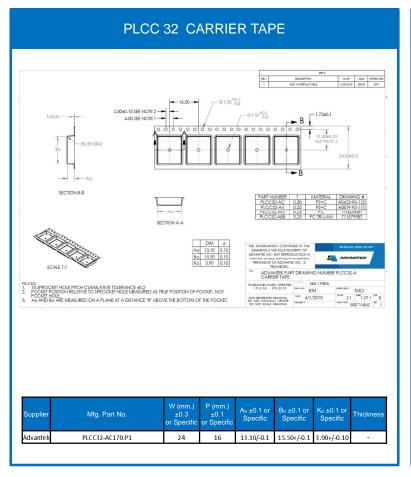
Packing Media: T/R

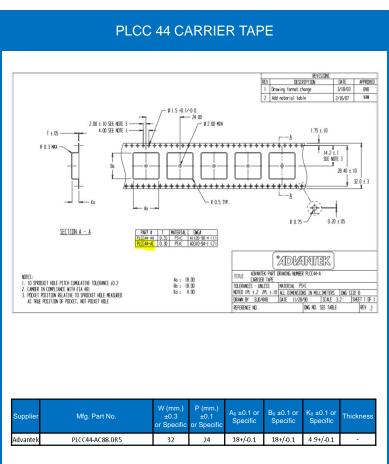
CPN	Lead Count	Pkg Type	Base Quantity Multiple	Packing Media
AT27BV256-70JU-T	32.00	PLCC	750.00	T/R
AT27LV256A-90JU-T	32.00	PLCC	750.00	T/R
AT27LV512A-90JU-T	32.00	PLCC	750.00	T/R
AT27BV010-90JU-T	32.00	PLCC	750.00	T/R
AT27LV010A-70JU-T	32.00	PLCC	750.00	T/R
AT27LV020A-12JU-T	32.00	PLCC	750.00	T/R
AT27C256R-45JU-T	32.00	PLCC	750.00	T/R
AT27C256R-70JU-T	32.00	PLCC	750.00	T/R
AT27C512R-45JU-T	32.00	PLCC	750.00	T/R

CPN	Lead Count	Pkg Type	Base Quantity Multiple	Packing Media
AT27C512R-70JU-T	32.00	PLCC	750.00	T/R
AT27C020-55JU-T	32.00	PLCC	750.00	T/R
AT27C020-90JU-T	32.00	PLCC	750.00	T/R
AT27C040-70JU-T	32.00	PLCC	750.00	T/R
AT27C040-90JU-T	32.00	PLCC	750.00	T/R
AT27C080-90JU-T	32.00	PLCC	750.00	T/R
AT27C010-45JU-T	32.00	PLCC	750.00	T/R
AT27C010-70JU-T	32.00	PLCC	750.00	T/R
AT27LV040A-90JU-T	32.00	PLCC	750.00	T/R



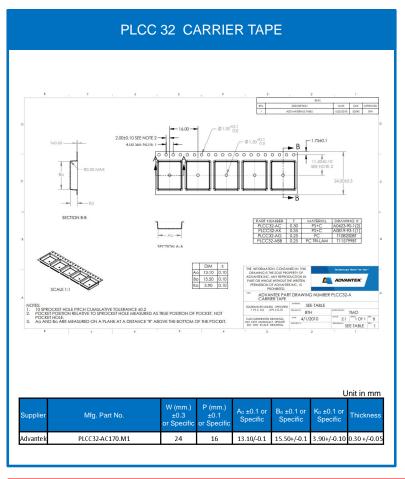
MPHL CARRIER TAPE

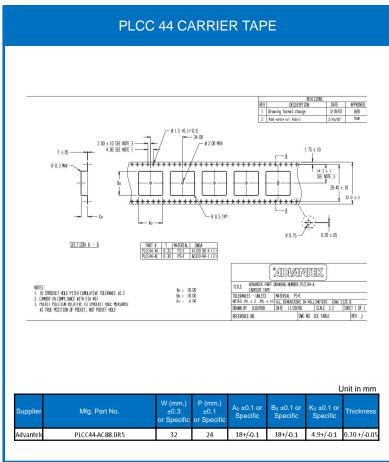






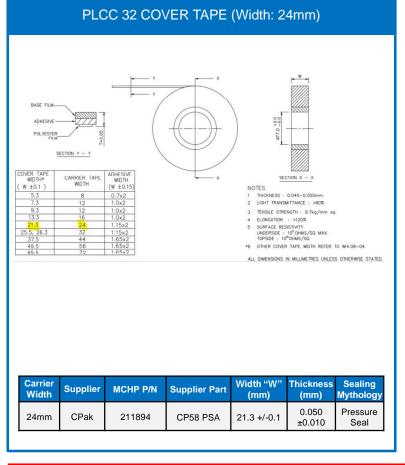
MMT CARRIER TAPE

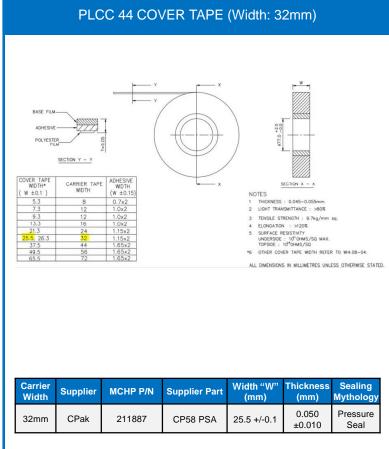






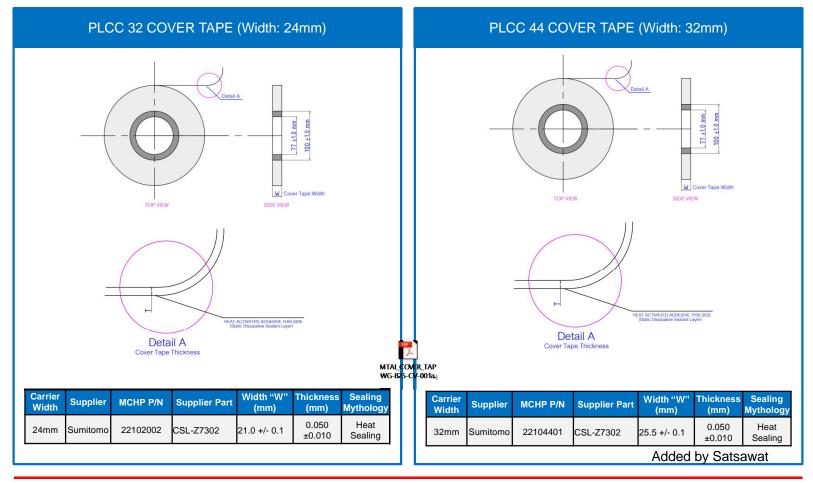
MPHL COVER TAPE





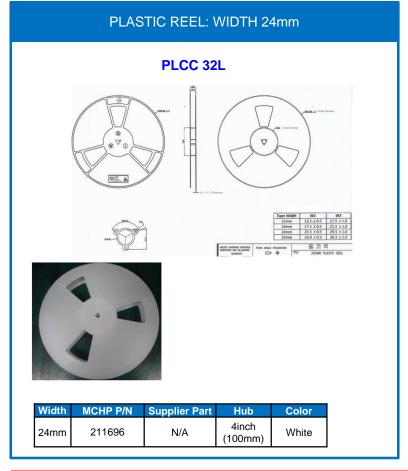


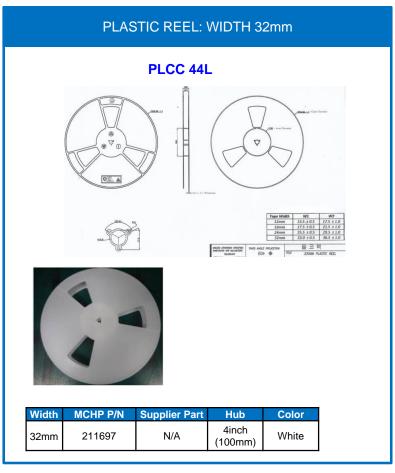
MMT COVER TAPE





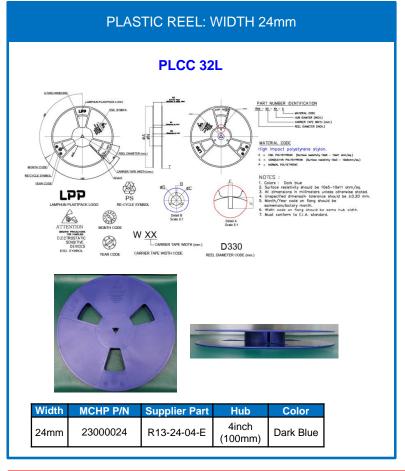
MPHL PLASTIC REEL

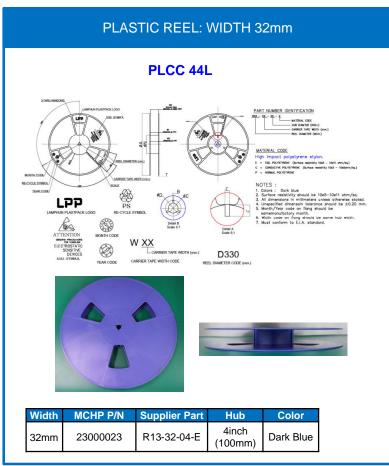






MMT MPHL PLASTIC REEL







Plastic Reel (Width 24 mm)

Description	MPHIL	ммт
Color	White	Dark blue
Diameter	329.99 +/- 1.0	330 +/- 2.0
Hub	100	100 +/- 2.0
Width	25.5 +/- 0.5	24.4 +2.00/-0.00



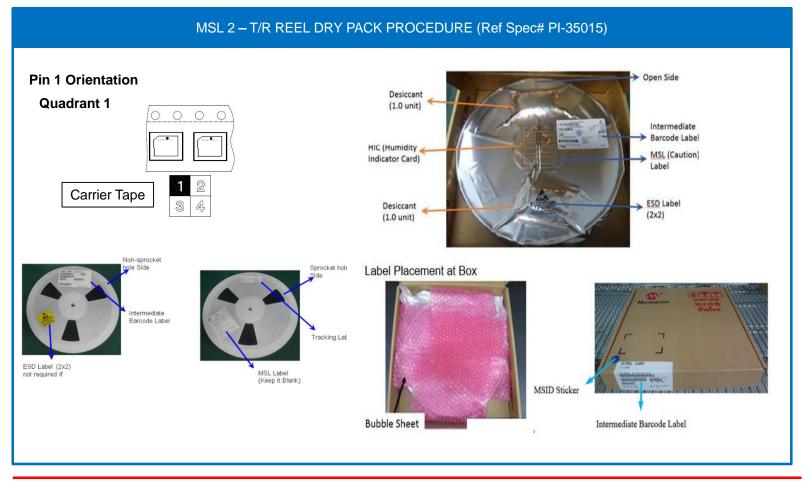
Plastic Reel (Width 32 mm)

Description	MPHIL	MMT
Color	White	Dark blue
Diameter	329.99 +/- 1.0	330 +/- 2.0
Hub	100	100 +/- 2.0
Width	33 +/- 0.5	32.4 +/- 2.0

Added by Panisara



TAPE AND REEL PACKING PROCEDURE MPHL





TAPE AND REEL PACKING PROCEDURE MMT



ASER-23WWAI681 - CCB 4235 Final Notice: Qualification of MMT as a new final test site for selected Atmel AT27C/BV/LVxxxPU/JUxxx products

Affected Catalog Part Numbers (CPN)

AT27BV256-70JU

AT27LV256A-90JU

AT27BV256-70JU-T

AT27LV256A-90JU-T

AT27LV512A-90JU

AT27LV512A-90JU-T

AT27BV010-90JU

AT27LV010A-70JU

AT27BV010-90JU-T

AT27LV010A-70JU-T

AT27LV020A-12JU

AT27LV020A-12JU-T

AT27C256R-45JU

AT27C256R-70JU

AT27C256R-70JU-306

AT27C256R-45PU

AT27C256R-70PU

AT27C256R-45JU-T

AT27C256R-70JU-T

AT27C512R-45JU

AT27C512R-70JU

AT27C512R-45PU

AT27C512R-70PU

AT27C512R-45JU-T

AT27C512R-70JU-T

AT27C1024-45PU

AT27C1024-70PU

AT27C2048-90PU

AT27C020-55PU

AT27C020-90PU

AT27C020-55JU

AT27C020-90JU

AT27C020-55JU-T

AT27C020-90JU-T

AT27C4096-90PU

AT27C4096-55PU

AT27C040-70PU

AT27C040-90PU

AT27C040-70JU

AT27C040-90JU

AT27C040-70JU-T

AT27C040-90JU-T

AT27C080-90PU

AT27C080-90JU

AT27C080-90JU-T

AT27C010-70PU

Date: Tuesday, July 28, 2020

ASER-23WWAI681 - CCB 4235 Final Notice: Qualification of MMT as a new final test site for selected Atmel AT27C/BV/LVxxxPU/JUxxx products

AT27C010-45JU

AT27C010-70JU AT27C010-45JU-T AT27C010-70JU-T AT27LV040A-90JU

AT27LV040A-90JU-T

Date: Tuesday, July 28, 2020