Product Change Notification / CENO-09GNHQ147

Date:

11-May-2023

Product Category:

Clock and Timing - Clock and Data Distribution

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6263 Final Notice: Qualification of MMT as an additional final test site for selected SY58031UMG, SY58032UMG, SY58033UMG, SY58032UMG-TR and SY58033UMG-TR catalog part numbers (CPN) available in 32L VQFN (5x5x0.9mm) package.

Affected CPNs:

CENO-09GNHQ147_Affected_CPN_05112023.pdf
CENO-09GNHQ147_Affected_CPN_05112023.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 MMT as an additional final test site for selected SY58031UMG, SY58032UMG, SY58033UMG, SY58032UMG-TR and SY58033UMG-TR catalog part numbers (CPN) available in 32L VQFN (5x5x0.9mm) package.

Pre and Post Change Summary:

		Pre Change	Post Change	
Final Test Site		Unisem Advance Tech (UAT)	Unisem Advance Tech (UAT)	Microchip Technology Thailand (Branch) (MMT)
Tube	Base Quantity Multiple (BQM)	60 units/tube	60 units/tube	60 units/tube
	Pin 1 Orientation	See attached Pre and Post Comparison		
Tape and Reel	Base Quantity Multiple (BQM)	1000 units/reel	1000 units/reel	1000 units/reel
	Pin 1 Orientation	Quadrant 1	Quadrant 1	Quadrant 1
Carrier Tape		See attached Pre and Post Comparison		
Cover Tape		With minor dimensional changes. See attached Pre and Post Comparison		
Plastic Reel		Light Blue	Light Blue	Dark Blue
		With minor dimensional changes. See attached Pre and Post Comparison		
Desiccant and HIC		See attached Pre and Post Comparison		
Packing Material/Method		See attached Pre and Post Comparison		

Impacts to Data Sheet: None

Change Impact None

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

Change Implementation Status: In Progress

Estimated First Ship Date: June 16, 2023 (date code: 2324)

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

Time Table Summary:

	May 2023					June 2023			
Workweek	18	19	20	21	22	23	24	25	26
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: May 11, 2023: 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_CENO-09GNHQ147 Pre and Post Change Summary.pdf
PCN_CENO-09GNHQ147_Qualification_Report.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 6263
Pre and Post Change Summary
PCN #: CENO-09GNHQ147

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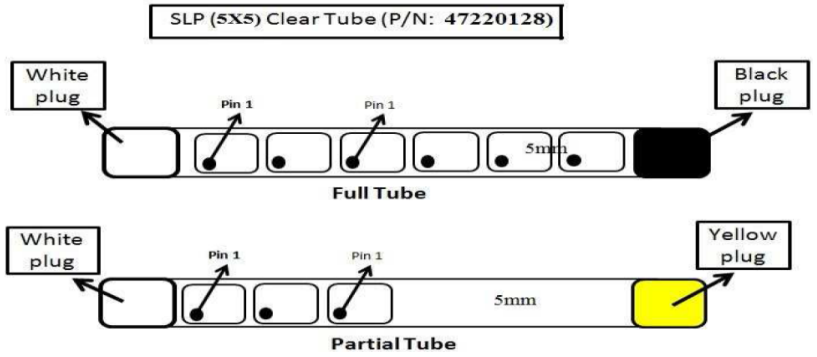
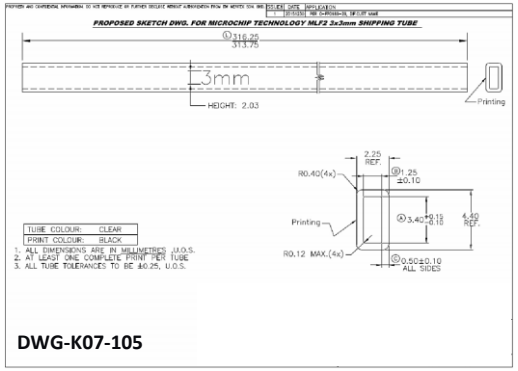
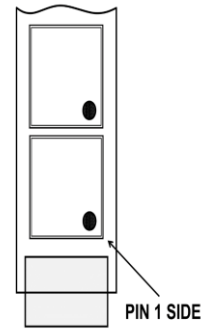
Tube – BQM and Pin 1 Orientation

	UNISEM	MMT
Base Quantity Multiple (BQM)	60 units/tube	60 units/tube
Pin 1 orientation		 

Pin1 Side plug color	Opposite Side plug color
Grey	Blue

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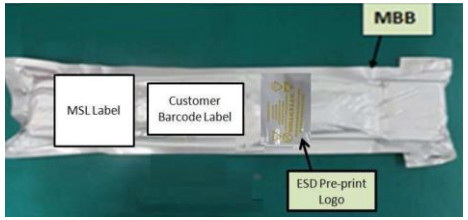
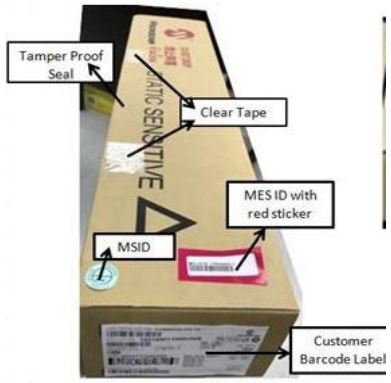
Tube - Packing Method

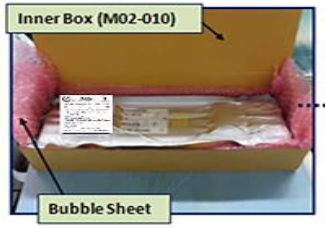
Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process

UNISEM





MMT

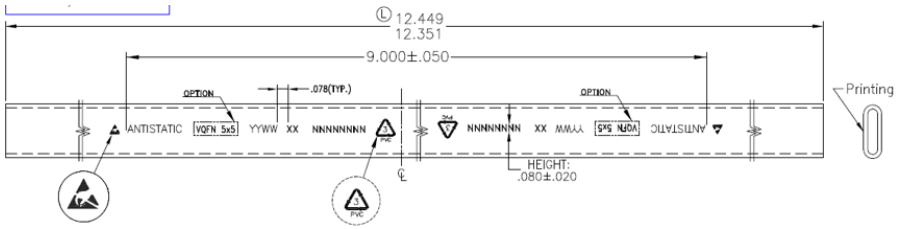


Carton Box

Inner box	
Drawing number	Dimension W x L x H (mm)
UN01003103	129x565x80

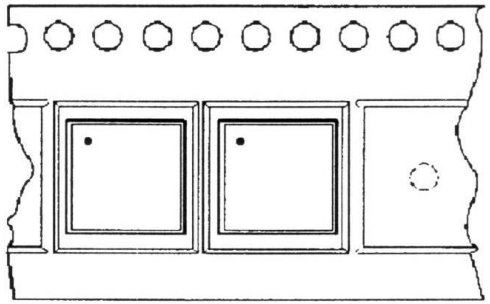
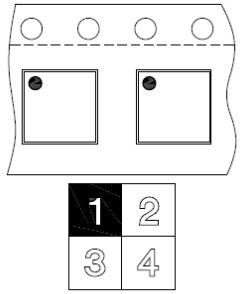
Inner box		Carton		Number of Inner box(es) per carton
Drawing number	Dimension W x L x H (cm)	Drawing number	Dimension W x L x H (cm)	
M02-010	12.9x56.5x8	M01-022 (PP)	15.5x62.0x14.0	1:1
		M01-028 (C4)	28x63.5x11	2:1
		M01-029 (C6)	28x63.5x15.5	3:1
		M01-030 (C8)	28x63.5x20	4:1
		M01-040 (S6)	43x59x19	6:1

Tube – Desiccant and HIC

	UNISEM	MMT
Desiccant and HIC		

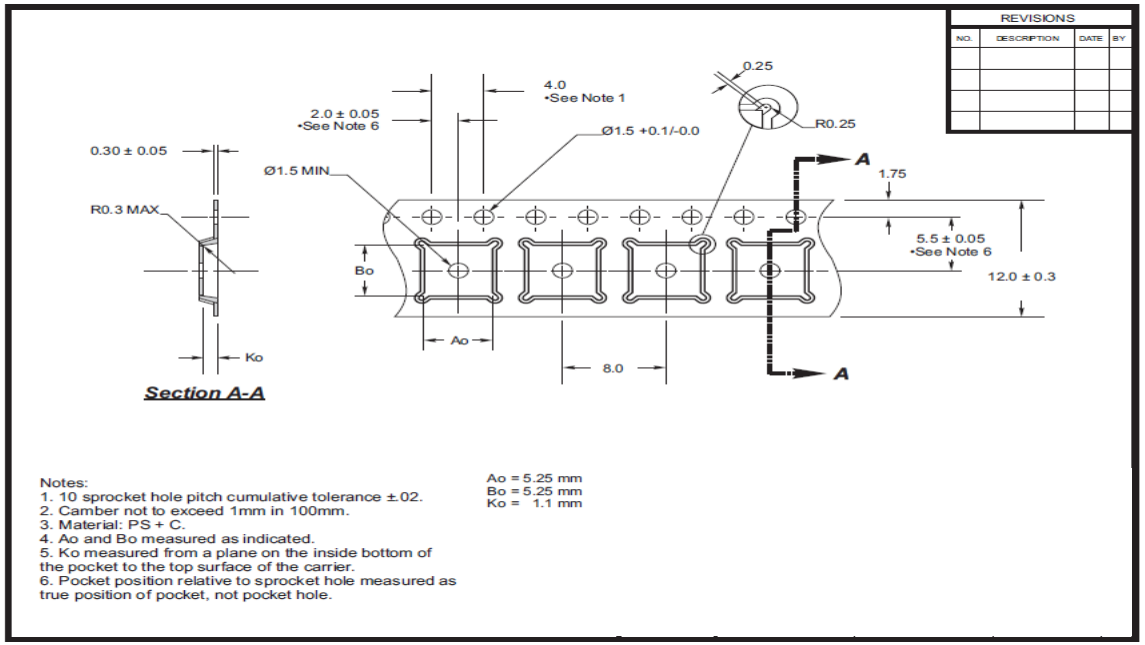
Location	Tube Length (inch)	Dimension	Tube Color	BQM	Tube per Bag
MMT	12.351 – 12.449	See on drawing	Clear	60	160

Tape and Reel – BQM and Pin-1 Orientation

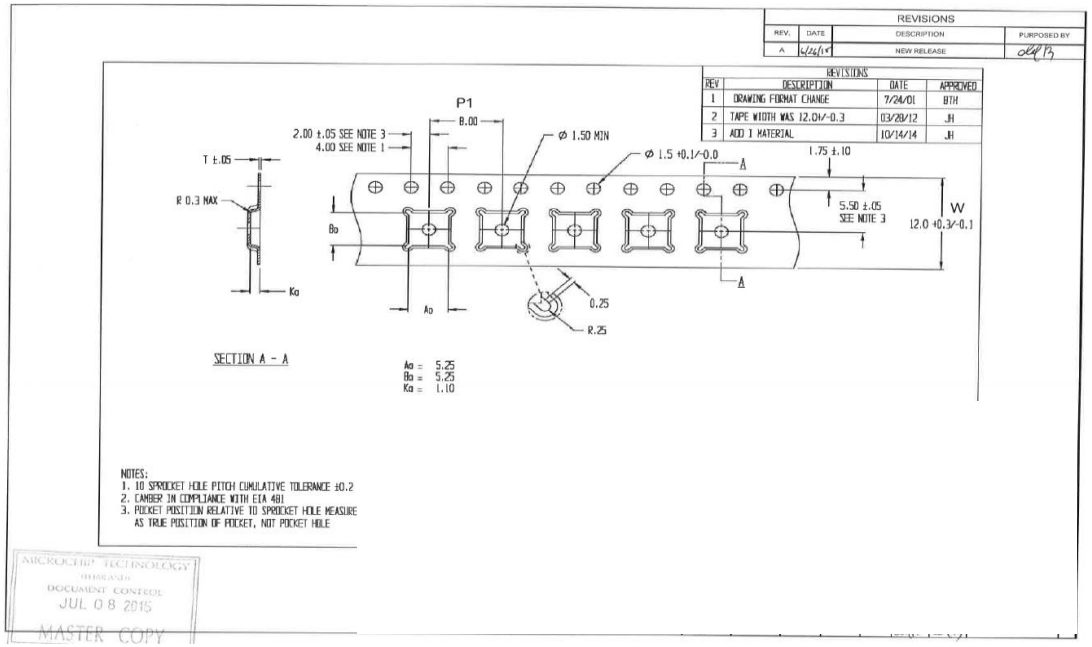
	UNISEM	MMT
Base Quantity Multiple (BQM)	1000 units/reel	1000 units/reel
Pin 1 orientation	 Pin 1 Orientation in T/R: Quadrant 1	 Pin 1 Orientation in T/R: Quadrant 1

Tape and Reel – Carrier Tape

UNISEM



MMT



Plant	W (mm.) ±0.30	P (mm.) ±0.10	A0 ±0.1	B0 ±0.1	K0 ±0.1
UNISEM	12	8	5.25	5.25	1.10
MMT	12	8	5.25	5.25	1.10

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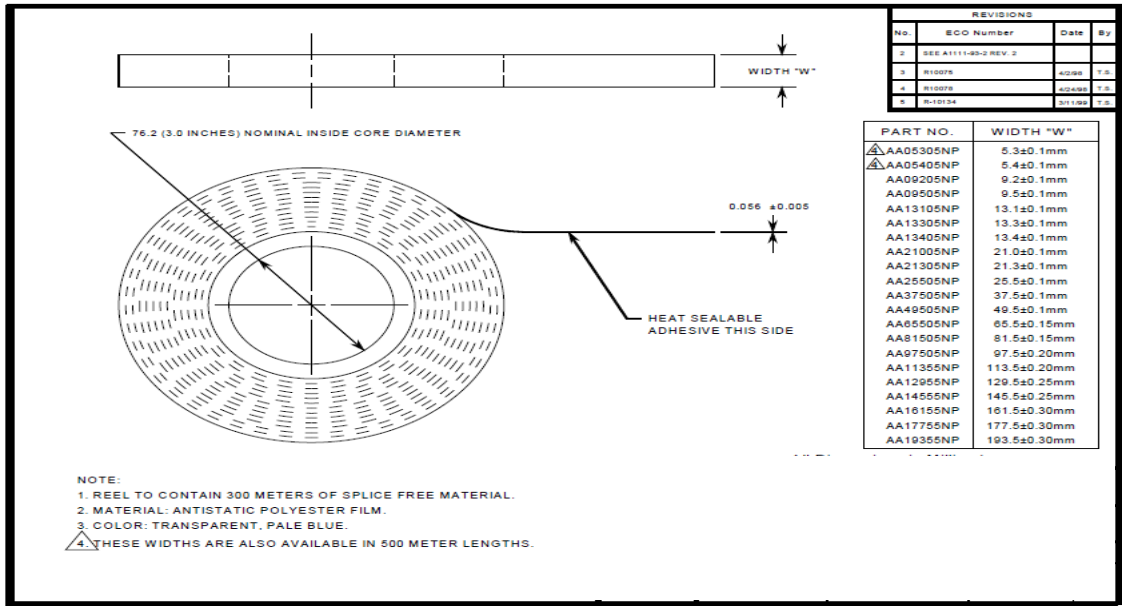
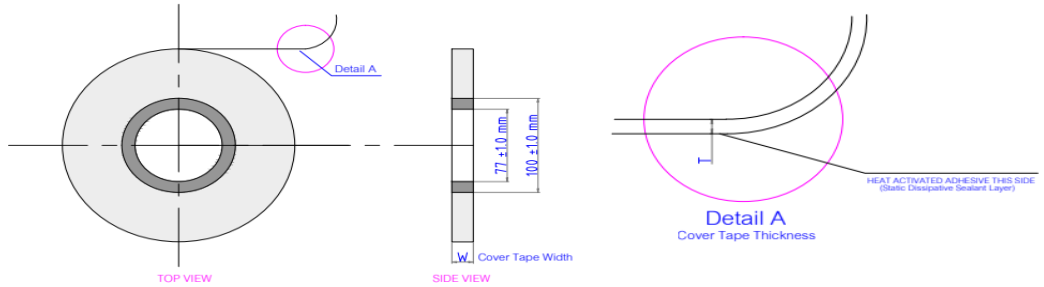
Tape and Reel – Cover Tape

UNISEM



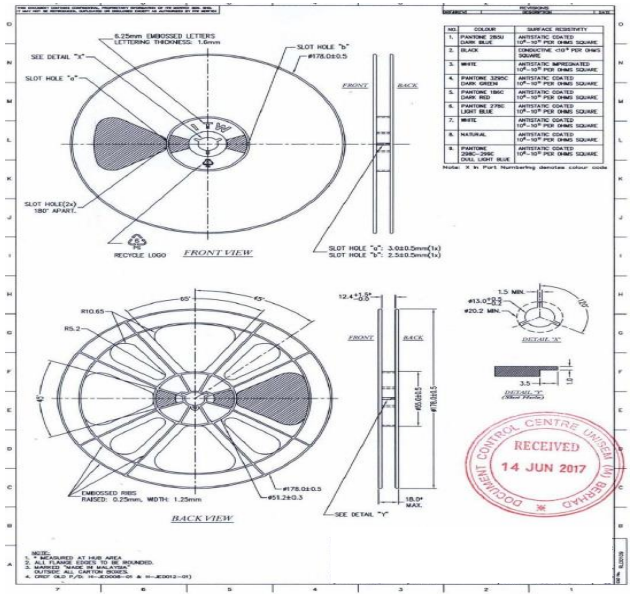
MMT



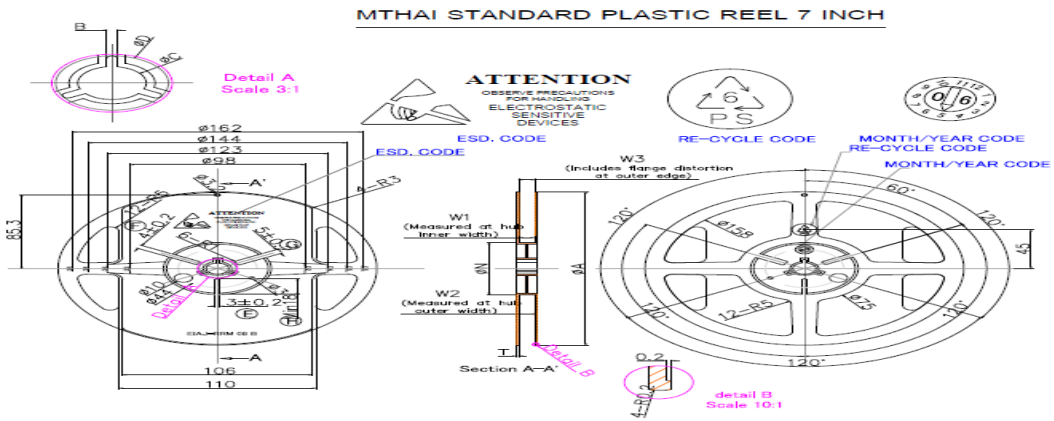
Plant	Cover Tape Width (mm.)	Cover Tape Thickness (mm.)	Color
UNISEM	9.2 ± 0.1	0.056 ± 0.005	Pale Blue
MMT	9.05 +0.05/-0.15	0.050 +/-0.010	Clear

Tape and Reel – Plastic Reel

UNISEM



MMT



Plant	Diameter (mm.)	Hub (mm.)	Width (mm.)	Color
UNISEM	178± 0.5	55± 0.5	12.4+1.5	Light Blue
MMT	178+2.0	60.5±0.5	18.40	Dark Blue

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Tape and Reel –Packing Method

	UNISEM	MMT
Antistatic Shielding Bag/Moisture Barrier Bag/Packing Process		**Inner Box:** 

MICROCHIP

Tape and Reel –Packing Method

UNISEM

Carton Box

Inner box	
Drawing number	Dimension W x L x H (mm)
UN01009201	204x220x35

MMT

Outer Box:

Inner per Outer Carton For Packing And Shipping with inner box				
Inner box		Carton		Number of Inner box(es) per carton
Drawing number	Dimension W x L x H (cm)	Drawing number	Dimension W x L x H (cm)	
M02-008	22x20.4x3.3	M01-044 (SM)	37.0x38.0x11.0	2 : 1
		M01-112 (LO)	20.6x24.0x22.9	5 : 1
		M01-038 (RT)	20x46x23	10 : 1

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Affected Catalog Part Numbers (CPN)

SY58031UMG
SY58032UMG
SY58033UMG
SY58032UMG-TR
SY58033UMG-TR

QUALIFICATION REPORT SUMMARY

PCN#: CENO-09GNHQ147

Date
April 28, 2023

Qualification of MMT as an additional final test site for selected SY58031UMG, SY58032UMG, SY58033UMG, SY58032UMG-TR and SY58033UMG-TR catalog part numbers (CPN) available in 32L VQFN (5x5x0.9mm) package.

Purpose: **Qualification of MMT as an additional final test site for selected SY58031UMG, SY58032UMG, SY58033UMG, SY58032UMG-TR and SY58033UMG-TR catalog part numbers (CPN) available in 32L VQFN (5x5x0.9mm) package.**

CCB No.: **6263**

Test / Evaluation	Test Conditions / Parameters	Results
Correlation Plan	50 correlation units of each device type (original site/tester to new site/tester). Parametric correlation of ATE measured data sheet parameters 5,000 units yield sample for bin comparison (original site/tester to new site/tester). 50 untested units sample (new site/tester to original site/tester) for bin comparison and correlation.	Pass
Equipment correlation plan	Perform final test at original site record yield and bin data. Perform same final test using the same units at destination site. Compare data.	Pass