Product Change Notification / CENO-17EGOL207

Date:

25-Apr-2022

Product Category:

Memory

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5097 Initial Notice: Qualification of MTAI as an additional final test site for selected SST39SF040, SST39SF020A and SST39SF010A device families available in 32L PLCC (11.5x14x3.37mm) package.

Affected CPNs:

CENO-17EGOL207_Affected_CPN_04252022.pdf
CENO-17EGOL207_Affected_CPN_04252022.csv

Notification Text:

PCN Status: Initial 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 selected SST39SF040, SST39SF020A and SST39SF010A device families available in 32L PLCC (11.5x14x3.37mm) package.

Pre and Post Change Summary:

	PRE CHANGE	POST CHANGE

Final Test Site		King Yuan Electronics Company, Limited (KYE)	King Yuan Electronics Company, Limited (KYE)	Microchip Technology Thailand (HQ) (MTAI)
Base Quantity Multiple (BQM)	**Tape and Reel**	750	750	750
	Tube	30	30	30
Pin 1 Orientation	**Tape and Reel**	Quadrant 1 - 2	Quadrant 1 - 2	Quadrant 1 - 2
	Tube ***(Note: Pre-change - Pin 1 orientation is depending on Assy location)***	Gray stopper - MMT Tube Colored stopper - LPI Tube Blue stopper – GTK Tube	Gray stopper - MMT Tube Colored stopper - LPI Tube Blue stopper – GTK Tube	Gray stopper – MMT Tube
Carrier tape		Minor dimensional changes. See pre and post change comparison.		
Cover Tape	**Sealing Method**	Heat Activated Seal	Heat Activated Seal	Heat Activated Seal
	Color	Transparent	Transparent	Clear
	Dimensions	Minor dimensional changes. See pre and post change comparison.		
Reel	**Color**	Regrind Blue	Regrind Blue	Dark Blue
	Dimensions	With dimensional changes. See pre and post change comparison.		
Tape and Reel Packing Method		See pre and post change comparison.		
Tube	**Dimensions**	With dimensional changes. See pre and post change comparison.		
	Color	Clear	Clear	Clear
Tube Packing Method		See pre and post change comparison		

Impacts to Data Sheet: None

Change Impact None

Reason for Change: To improve manufacturability and on-time delivery performance by qualifying MTAI as an additional final test site.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: May 2022

Note: Please be advised the qualification completion times may be extended because of unforeseen business conditions however implementation will not occur until after qualification has completed and a final PCN has been issued. The final PCN will include the qualification report and estimated first ship date. Also note that after the estimated first ship date guided in the final PCN customers may receive pre and post change parts.

Time Table Summary:

	April 2022				**May 2022**				
Workweek	15	16	17	18	19	20	21	22	23
Initial PCN Issue Date				x					
Qual Report Availability							x		
Final PCN Issue Date							x		

Method to Identify Change: Traceability code

Qualification Plan: Please open the attachments included with this PCN labeled as PCN_#_Qual_Plan.

Revision History: April 25, 2022: Issued initial 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-17EGOL207_Qual Plan.pdf
PCN_CENO-17EGOL207_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.

CCB 5097
Pre and Post Change Summary
PCN #: CENO-17EGOL207

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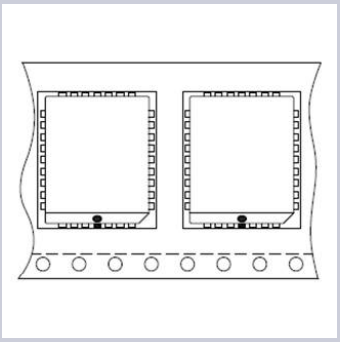
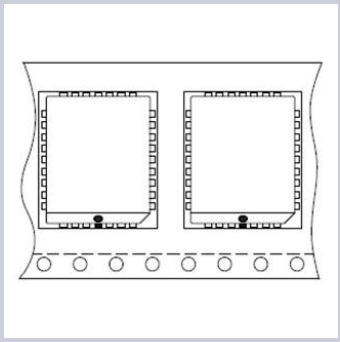
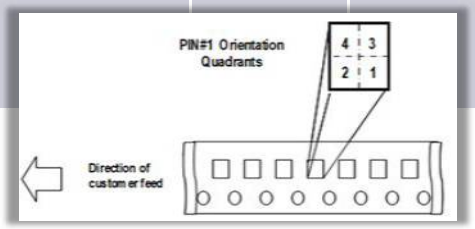
Pre and Post Change Summary

		KYE	MTAI
Scan/Pack Site		King Yuan Electronics Company, Limited (KYE)	Microchip Technology Thailand (HQ) (MTAI)
Base Quantity Multiple (BQM)	**Tape and Reel**	No changes	
	Tube		

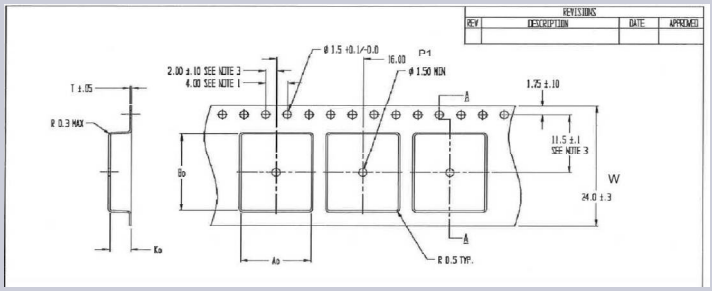
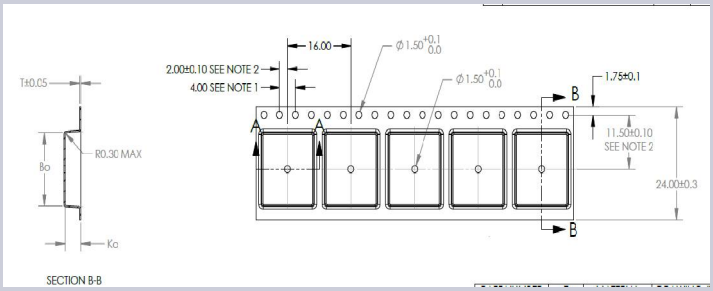
MICROCHIP

Pre and Post Change Summary – Pin 1 Orientation

		KYE	MTAI
Pin 1 Orientation	**Tape and Reel**		
		Quadrant 1- 2	Quadrant 1- 2

MICROCHIP

Pre and Post Change Summary – Carrier Tape

KYE	MTAI
	

Scan / Pack Site	W (mm.)	P (mm.)	A0 (mm.)	B0 (mm.)	K0 (mm.)	K1 (mm.)	Thickness	BQM
MTAI	24.00 ±0.30	16.00 ±0.10	13.10 ±0.10	15.50 ±0.10	3.90 ±0.10	-	0.30 ±0.50	750
KYE	24.00 ±0.30	16.00 ±0.10	13.10 ±0.10	15.50 ±0.10	3.90 ±0.10	-	0.30 ±0.05	750

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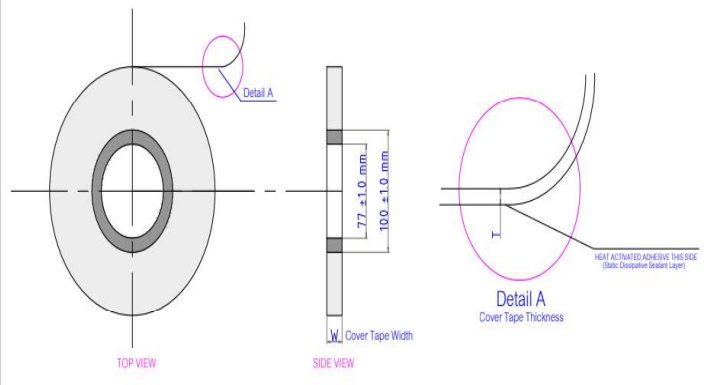
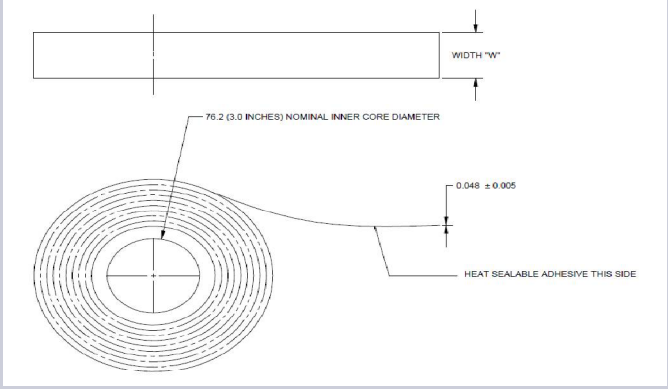
Pre and Post Change Summary – Cover Tape

KYE



Cover tape color	Width ±0.1 (mm)	Thickness ±0.005 (mm)	Sealing Methodology
Transparent	21.3±0.1	0.048±0.005	Heat Seal

MTAI

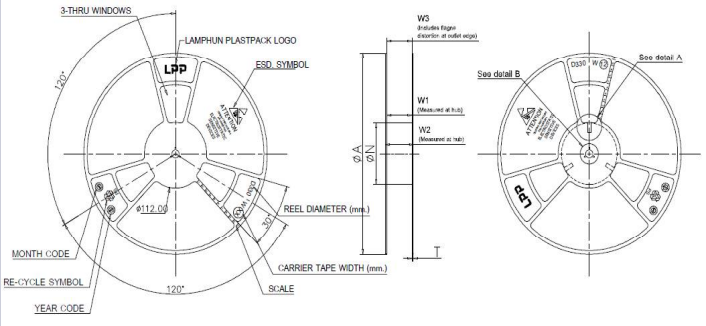


Cover tape color	Width ±0.1 (mm)	Thickness ±0.005 (mm)	Sealing Methodology
Clear	21.0 ±0.1	0.050 ±0.010	Heat Seal

MICROCHIP

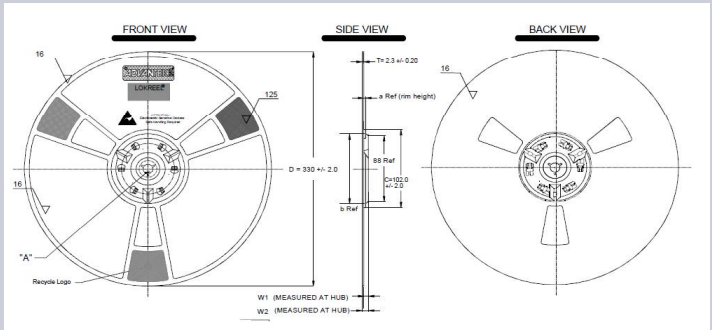
Pre and Post Change Summary – Plastic Reel

KYE



Reel Color	Reel diameter (mm)	Hub (mm)	Reel Width Max (mm.)
Regrind Blue	330 ±2.0	102±2.0	8.4 + 16.4

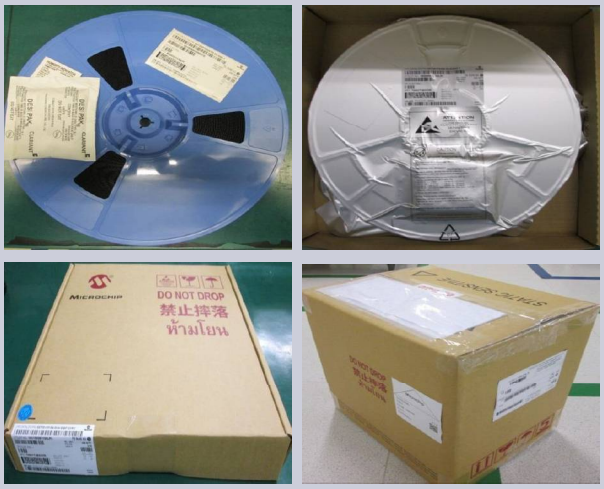
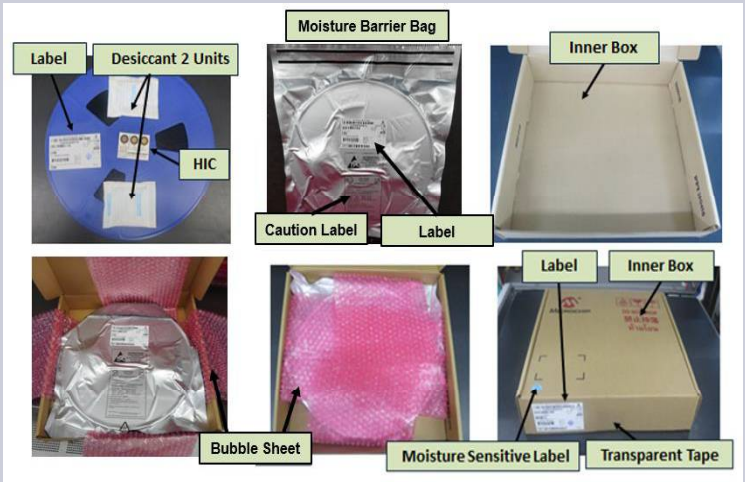
MTAI



Reel Color	Reel diameter (mm)	Hub (mm)	Reel Width Max (mm.)
Dark Blue	330 ±2.0	100 ±2.0	30.40

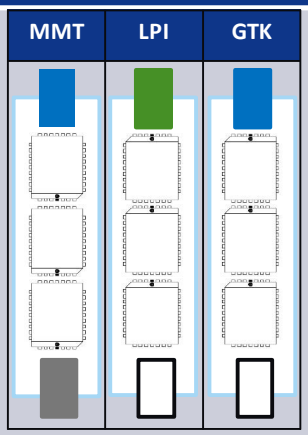
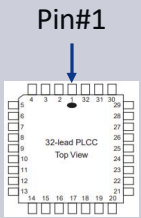
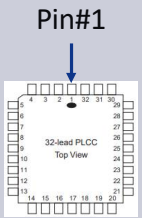
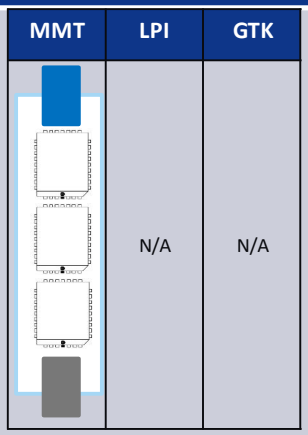
MICROCHIP

Packing Method – Tape and Reel

KYE	MTAI
	

MICROCHIP

Pre and Post Change Summary – Pin 1 Orientation

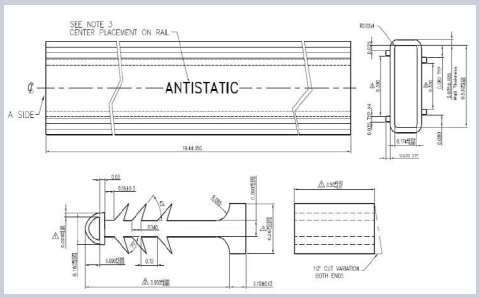
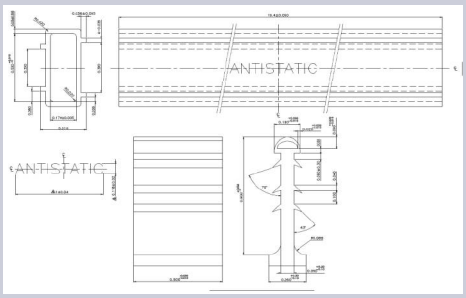
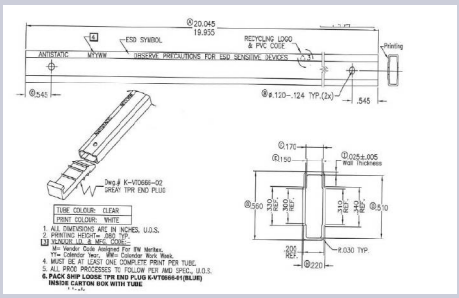
		KYE	MTAI
Pin 1 Orientation	**Tube**	 	 

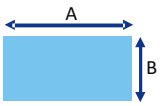
Media	Pin1 Side	Opposite Side
MMT-TUBE	GRAY stopper	BLUE stopper
LPI-TUBE	Colored stopper	WHITE stopper
GTK-TUBE	BLUE stopper	WHITE stopper

Media	Pin1 Side	Opposite Side
MMT-TUBE	GRAY stopper	BLUE stopper
LPI-TUBE	N/A	
GTK-TUBE	N/A	

MICROCHIP

Pre and Post Change Summary – Tube Dimension

LPI	GTK	MMT
		



Tube	Scan / Pack Site	Tube Length (in)	Dimension A (in)	Dimension B (in)	Tube Color
MMT	KYE, MTAI	20.045	0.510	0.150	Clear
LPI	KYE	19.4	0.53	0.174	Clear
GTK	KYE	19.4	0.53	0.174	Clear

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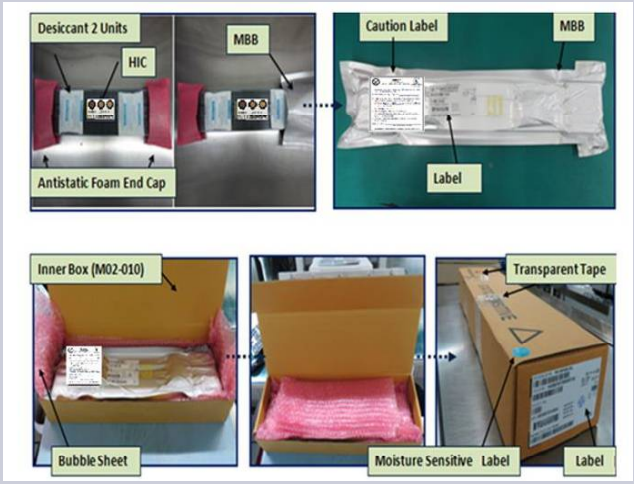
Packing Method – Tube

KYE	MTAI
	

Scan/Pack Site	MSL Level	Desiccant	Humidity Indicator Card	Baking Condition
MTAI	MSL-3	2 units	1 pcs	6 hours @125°C
KYE	MSL-3	2 units	1 pcs	6 hours @125°C

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QUALIFICATION PLAN SUMMARY
RELIABILITY LABORATORY

PCN #: CENO-17EGOL207

Date
March 29, 2022

Qualification of MTAI as an additional final test site for selected SST39SF040, SST39SF020A and SST39SF010A device families available in 32L PLCC (11.5x14x3.37mm) package.

Purpose: Qualification of MTAI as an additional final test site for selected SST39SF040, SST39SF020A and SST39SF010A device families available in 32L PLCC (11.5x14x3.37mm) package.

CCB# 5097

Test	Parameters
Correlation	Lot size is > 3K • FT1@95C -> QC@95C -> FT2@-40C -> QC@-40C • Acceptance: Test yield less than 1% delta against KYE test yield

CENO-17EGOL207 - CCB 5097 Initial SST39SF020A and SST39SF010A device families available in 32L PLCC

Affected Catalog Part Numbers(CPN)

SST39SF040-55-4C-NHE
SST39SF020A-55-4C-NHE
SST39SF010A-55-4C-NHE
SST39SF040-70-4C-NHE
SST39SF020A-70-4C-NHE
SST39SF010A-70-4C-NHE
SST39SF040-55-4I-NHE
SST39SF020A-55-4I-NHE
SST39SF010A-55-4I-NHE
SST39SF040-70-4I-NHE
SST39SF020A-70-4I-NHE
SST39SF010A-70-4I-NHE
SST39SF040-55-4C-NHE-T
SST39SF020A-55-4C-NHE-T
SST39SF010A-55-4C-NHE-T
SST39SF040-70-4C-NHE-T
SST39SF020A-70-4C-NHE-T
SST39SF010A-70-4C-NHE-T
SST39SF040-55-4I-NHE-T
SST39SF020A-55-4I-NHE-T
SST39SF010A-55-4I-NHE-T
SST39SF040-70-4I-NHE-T
SST39SF020A-70-4I-NHE-T
SST39SF010A-70-4I-NHE-T