



Product Change Notification / CENO-02KHGL616

Date:

18-Nov-2022

Product Category:

Memory

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5240 Final Notice: Qualification of MTAI as a new final test site for selected SST39LF0xx and SST39VF0xx device families available in 32L PLCC (11.5x14x3.37mm) package.

Affected CPNs:

[CENO-02KHGL616_Affected_CPN_11182022.pdf](#)
[CENO-02KHGL616_Affected_CPN_11182022.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 selected SST39LF0xx and SST39VF0xx device families available in 32L PLCC (11.5x14x3.37mm) package.

Pre and Post Change Summary:

	Pre Change	Post Change

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:August 8, 2022: Issued initial notification.
November 18, 2022: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on December 9, 2022.

Attachments:

- [PCN_CENO-02KHGL616_Pre and Post Change Summary.pdf](#)
- [PCN_CENO-02KHGL616_Qualification Report.pdf](#)

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

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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)

SST39LF040-55-4C-NHE
SST39LF020-55-4C-NHE
SST39LF010-55-4C-NHE
SST39LF040-55-4C-NHE-RVL
SST39VF040-70-4C-NHE
SST39VF020-70-4C-NHE
SST39VF010-70-4C-NHE
SST39VF040-70-4C-NHE-PP013
SST39VF040-70-4C-NHE-RVL
SST39VF040-70-4I-NHE
SST39VF020-70-4I-NHE
SST39VF010-70-4I-NHE
SST39LF040-55-4C-NHE-RVL-T
SST39VF040-70-4C-NHE-T
SST39VF020-70-4C-NHE-T
SST39VF010-70-4C-NHE-T
SST39VF040-70-4I-NHE-T
SST39VF010-70-4I-NHE-T

CCB 5240
Pre and Post Change Summary
PCN #: CENO-02KHGL616



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

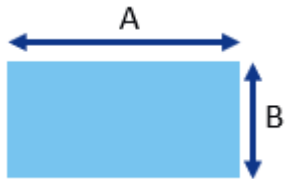
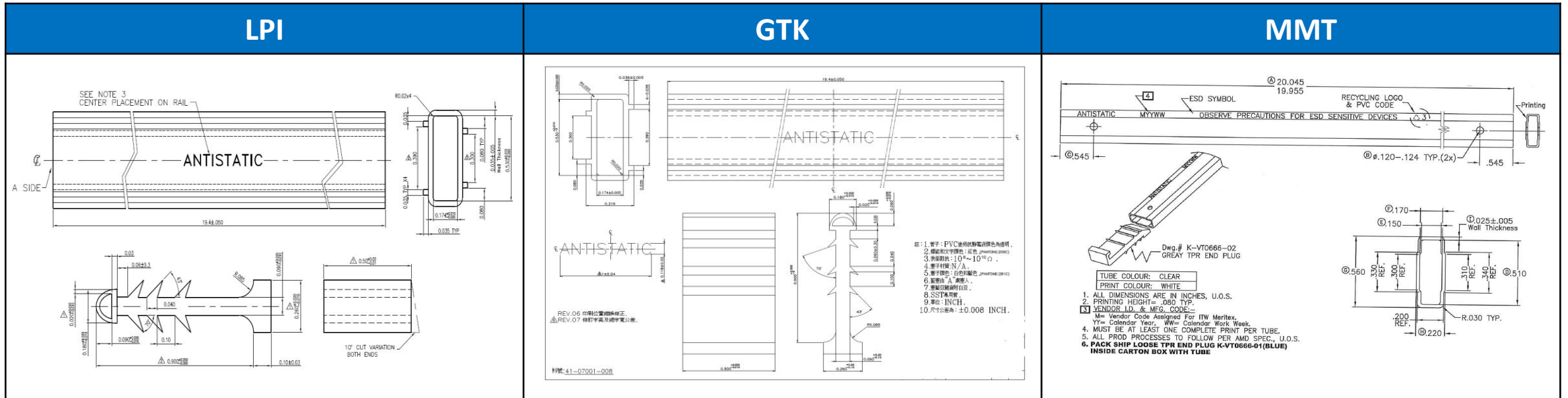


SMART | CONNECTED | SECURE

Tube – BQM and Pin 1 Orientation

KYE			MTAI																								
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Tube - Drawing



Tube	Final Test Site	Tube Length (in)	Dimension A (in)	Dimension B (in)	Tube Color
Assembled at LPI	KYE	19.4	0.53	0.174	Clear
Assembled at GTK	KYE	19.4	0.53	0.174	Clear
Assembled at MMT	KYE, MTAI	20.045	0.510	0.150	Clear

Tube - Packing Method (Dry Pack)



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

Tape and Reel – Carrier Tape

KYE

PART NUMBER	T	MATERIAL	DRAWING #
PLCC32-AC	0.30	PS+C	A0423-90-1(2)
PLCC32-AX	0.35	PS+C	A0819-93-1(1)
PLCC32-AG	0.25	PC	T108200BT
PLCC32-ABB	0.25	PC TRI-LAM	T115799BT

DIM	±
Ao	13.10 0.10
Bo	15.50 0.10
Ko	3.90 0.10

SCALE 1:1

NOTES:
 1. 10 SPROCKET HOLE PITCH CUMULATIVE TOLERANCE ±0.2
 2. POCKET POSITION RELATIVE TO SPROCKET HOLE MEASURED AS TRUE POSITION OF POCKET, NOT SPROCKET HOLE
 3. Ao AND Bo ARE MEASURED ON A PLANE AT A DISTANCE "R" ABOVE THE BOTTOM OF THE POCKET.

Figure 1: component orientation (Pin#1) in reel.

MTAI

SECTION A - A

Ao = 13.10
Bo = 15.50
Ko = 3.80

NOTES:
 1. 10 SPROCKET HOLE PITCH CUMULATIVE TOLERANCE ±0.2
 2. CARRIER IN COMPLIANCE WITH EIA 481
 3. POCKET POSITION RELATIVE TO SPROCKET HOLE MEASURED AS TRUE POSITION OF POCKET, NOT SPROCKET HOLE

PART #	T	MATERIAL	DWG. NO.
PLCC32-AC	0.30	PS+C	A0423-90-1(2)
PLCC32-AX	0.35	PS+C	A0819-93-1(1)
PLCC32-AG	0.25	PC	T108200BT

Figure 1: component orientation (Pin#1) in reel.

Plant	W (mm.)	P (mm.)	A0 (mm.)	B0 (mm.)	K0 (mm.)	K1 (mm.)	Thickness	BQM	Pin1
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	Quadrant 1-2
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	Quadrant 1-2

Tape and Reel – Cover Tape

KYE	MTAI																														
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Plant	Width W (mm.)	Thickness T (mm.)	Color	Sealing Methodology
KYE	21.3±0.1	0.048±0.005	Transparent	Heat Seal
MTAI	21.0 ±0.1	0.050 ±0.010	Clear	Heat Seal

Tape and Reel – Plastic Reel

KYE

MTAI

Part Number	Nominal Hub Width	W1	W2	MAX	a	b
RD33004SW	4mm	4.4mm	7.7mm	11.1mm	1.5	98.5
RD33008SW	8mm	8.4mm	11.1mm	15.5	1.5	98.5
RD33016SW	16mm	16.4mm	19.1mm	23.5	1.5	98.5
RD33028SW	28mm	28.4mm	31.1mm	35.5	1.5	98.5
RD33004SW-BL	4mm	4.4mm	7.7mm	11.1mm	1.5	98.5
RD33008SW-BL	8mm	8.4mm	11.1mm	15.5	1.5	98.5
RD33016SW-BL	16mm	16.4mm	19.1mm	23.5	1.5	98.5
RD33028SW-BL	28mm	28.4mm	31.1mm	35.5	1.5	98.5
RD33004RB	4mm	4.4mm	7.7mm	11.1mm	1.5	98.5
RD33008RB	8mm	8.4mm	11.1mm	15.5	1.5	98.5
RD33016RB	16mm	16.4mm	19.1mm	23.5	1.5	98.5
RD33028RB	28mm	28.4mm	31.1mm	35.5	1.5	98.5
RD33004RBL	4mm	4.4mm	7.7mm	11.1mm	1.5	98.5
RD33008RBL	8mm	8.4mm	11.1mm	15.5	1.5	98.5
RD33016RBL	16mm	16.4mm	19.1mm	23.5	1.5	98.5
RD33028RBL	28mm	28.4mm	31.1mm	35.5	1.5	98.5

NOTES:
 1. RB: Regrind Blue Lokreel
 2. RBL: Regrind Black Lokreel
 3. RC: Conductive Lokreel
 4. SW: White Lokreel
 5. SW-BL: Blue Lokreel
 6. RD Series Lokreel: SR < 1 x 10 Exp 12 ohms/sq
 7. RC Series Lokreel: SR < 1 x 10 Exp 5 ohms/sq
 8. Dimensions labeled Ref are reference dimensions only. (a, b, etc.)
 9. For 28MM hub width, protruding rib is required. This additional mechanism is added for manufacturing reasons, but will not and must not affect the functionality of the reel
 10. Textured surface (shaded area): 125
 Remaining surface (unshaded - front and back) : 16
 Reference: E-9 E.D.M MicroFinish Comparator Scale

Plant	Reel Diameter (mm.)	Reel Hub Size (mm)	Reel Width Max (mm.)	Color
KYE	330 ±2.0	102±2.0	8.4+16.4	Regrind Blue
MTAI	330 ±2.0	100 ±2.0	30.40	Dark Blue

Tape and Reel – Packing Method (Dry Pack)





MICROCHIP

QUALIFICATION REPORT SUMMARY
RELIABILITY LABORATORY

PCN #: CENO-02KHGL616

Date

November 2, 2022

**Qualification of MTAI as a new final test site for selected
SST39LF0xx and SST39VF0xx device families available in
32L PLCC (11.5x14x3.37mm) package.**

Purpose: Qualification of MTAI as a new final test site for selected SST39LF0xx and SST39VF0xx device families available in 32L PLCC (11.5x14x3.37mm) package.

CCB# 5240

Test	Parameters	Result
Correlation Plan	FT: 1) Test yield must be less than 1% delta against KYE test yield records. 2) All correlation rejects must be verified with matching bin-to-bin results or with Electronic Failure Analysis (EFA) needed for justification and disposition. 3) Approval from TE/PE based on verification (+EFA) results. QC: 1) 100% yield 2) All correlation rejects must be verified with matching bin-to-bin results or with Electronic Failure Analysis (EFA) needed for justification and disposition. 3) Approval from TE/PE based on verification (+EFA) results.	PASS