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

Final Test Site		King Yuan Electronics Company, Limited (KYE)	Microchip Technology Thailand (HQ) (MTAI)
Base Quantity Multiple (BQM)	Tube	30	30
	Tape and Reel	750	750
Pin 1 Orientation	Tube	See attached Pre and Post Change Summary for comparison.	
	Tape and Reel	Quadrant1-2	Quadrant1-2
Carrier Tape		No changes. See attached Pre and Post Change Summary for comparison.	
Cover Tape		Minor changes. See attached Pre and Post Change Summary for comparison.	
Plastic Reel		Minor changes. See attached Pre and Post Change Summary for comparison.	
Packing Method		See attached Pre and Post Change Summary for comparison.	

Impacts to Data Sheet: None

Change Impact None

Reason for Change: To improve productivity by qualifying MTAI as a new final test site.

Change Implementation Status: In Progress

Estimated First Ship Date: December 9, 2022 (date code: 2250)

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

Time Table Summary:

	August 2022					**->**	**November 2022**					**December 2022**			
Workweek	32	33	34	35	36		45	46	47	48	49	50	51	52	53
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: 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.

Terms and Conditions:

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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.

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

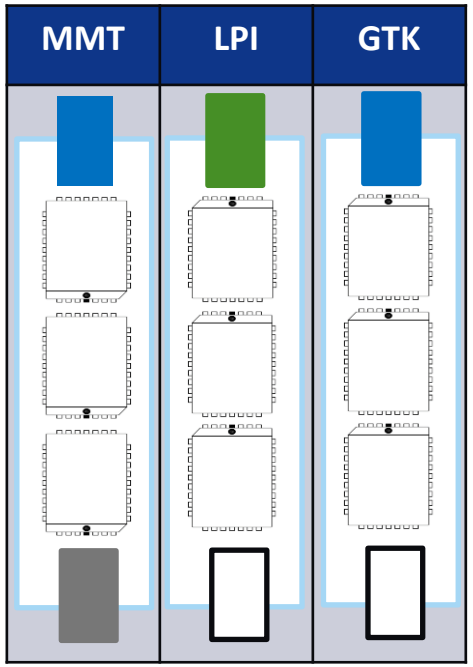
Test	Parameters	Result
Correlation Plan	FT: 1) Test yield must be less than 1% delta against KYE test yield records. 2) All correlation rejects must be verified with matching bin-to-bin results or with Electronic Failure Analysis (EFA) needed for justification and disposition. 3) Approval from TE/PE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

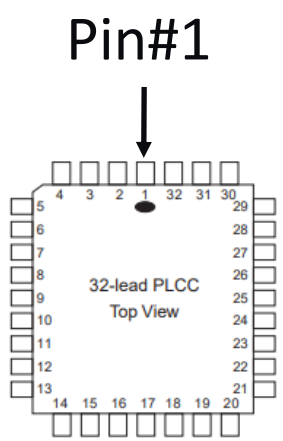
CCB 5240
Pre and Post Change Summary
PCN #: CENO-02KHGL616

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

Tube – BQM and Pin 1 Orientation

KYE

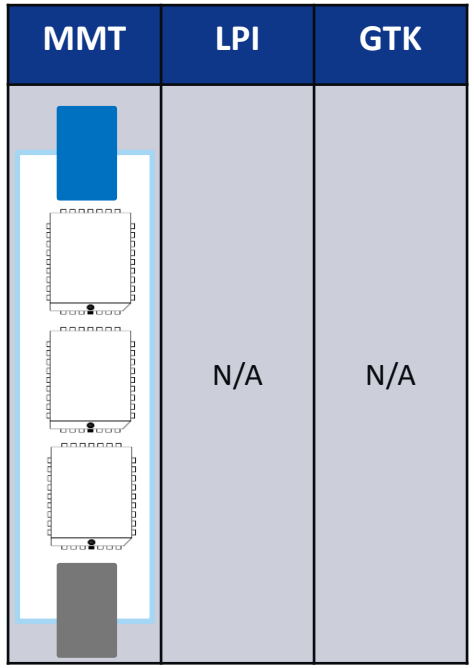


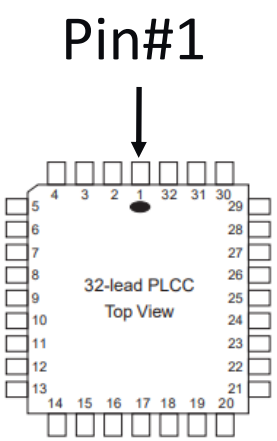


Media	Unit/ Tube
TUBE	30

Media	Pin1 Side	Opposite Side
Assmbled at MMT - TUBE	GREY stopper	BLUE stopper
Assmebled at LPI - TUBE	Colored stopper	WHITE stopper
Assembled at GTK - TUBE	BLUE stopper	WHITE stopper

MTAI

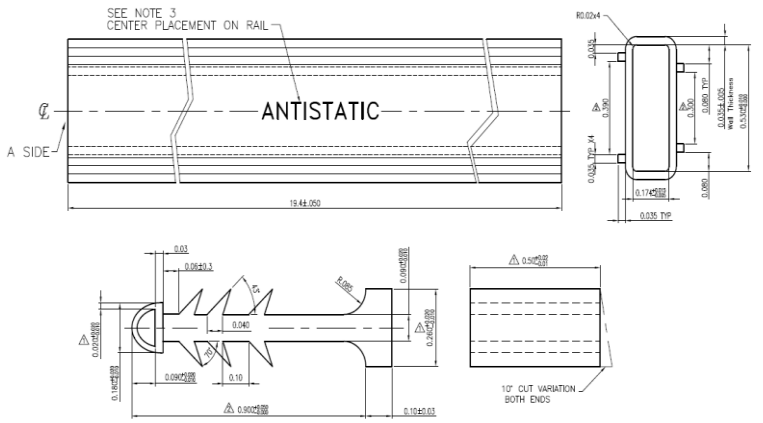
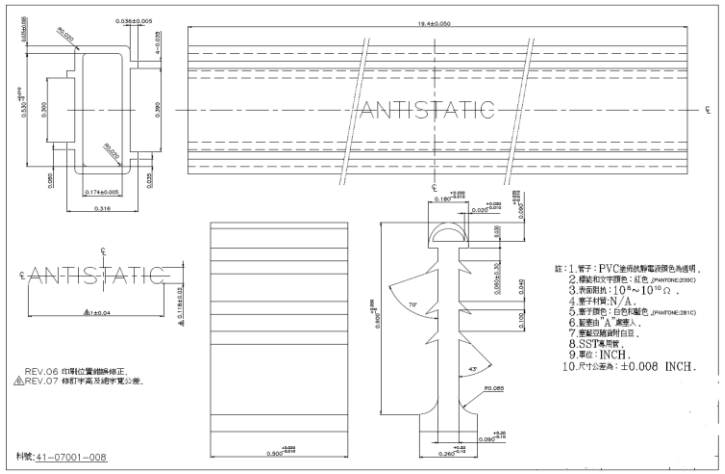
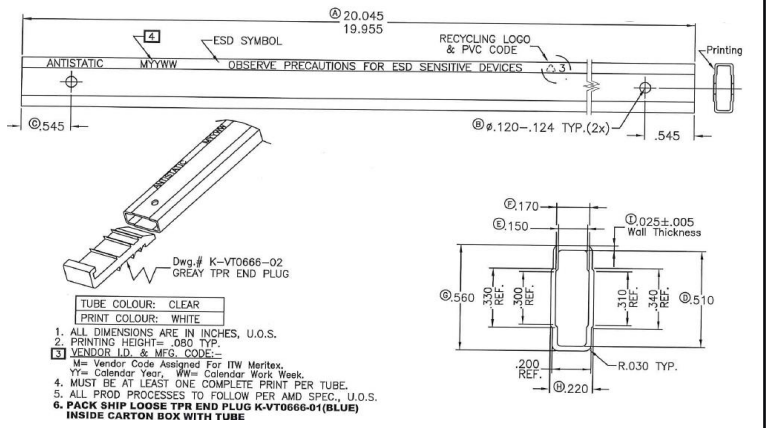


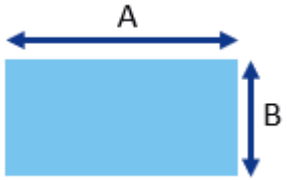


Media	Unit/ Tube
TUBE	30

Media	Pin1 Side	Opposite Side
Assembled at MMT-TUBE	GREY stopper	BLUE stopper
Assembled at LPI-TUBE	N/A	
Assembled at GTK-TUBE	N/A	

Tube - Drawing

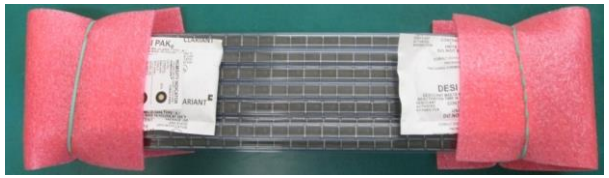
LPI	GTK	MMT
		



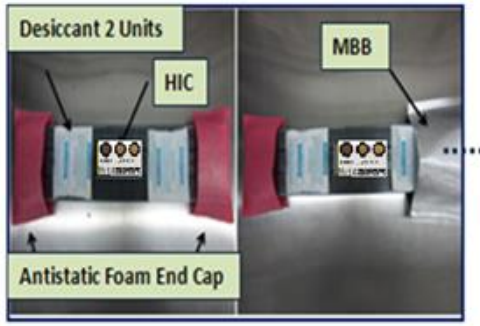
Tube	Final Test Site	Tube Length (in)	Dimension A (in)	Dimension B (in)	Tube Color
Assembled at LPI	KYE	19.4	0.53	0.174	Clear
Assembled at GTK	KYE	19.4	0.53	0.174	Clear
Assembled at MMT	KYE, MTAI	20.045	0.510	0.150	Clear

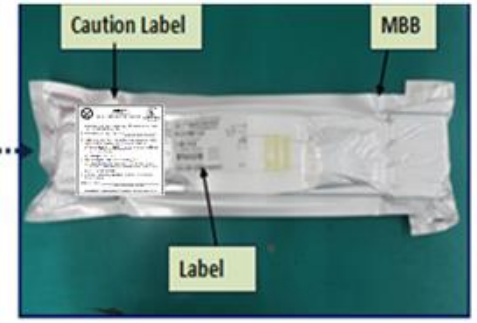
Tube - Packing Method (Dry Pack)

KYE



MTAI



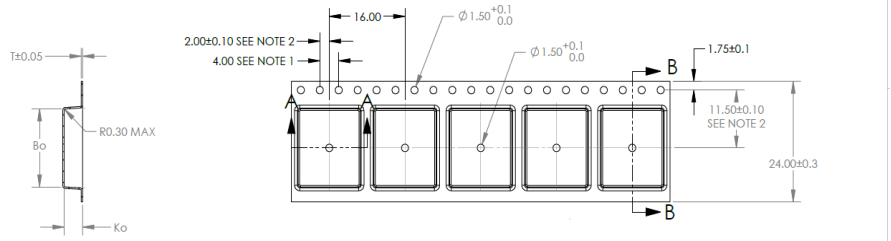


Plant	MSL Level	Desiccant	Humidity Indicator Card	Baking Condition
KYE	MSL-3	2 units	1 pcs	6 hours @125°C
MTAI	MSL-3	2 units	1 pcs	6 hours @125°C

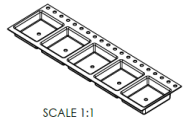
MICROCHIP

Tape and Reel – Carrier Tape

KYE



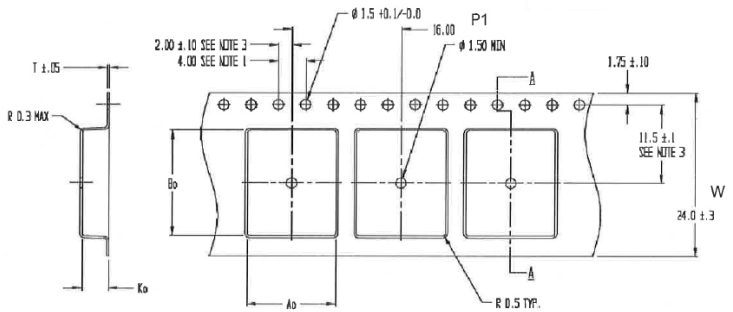
PART NUMBER	T	MATERIAL	DRAWING #
PLCC32-AC	0.30	PS+C	A0423-90-1(2)
PLCC32-AX	0.35	PS+C	A0819-93-1(1)
PLCC32-AG	0.25	PC	T108200BT
PLCC32-ABB	0.25	PC TRI-LAM	T1157998T



	DIM	±
Ao	13.10	0.10
Bo	15.50	0.10
Ko	3.90	0.10

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

MTAI

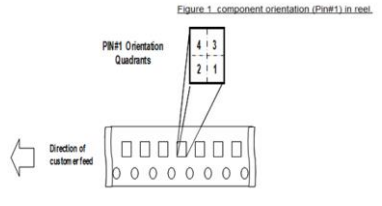


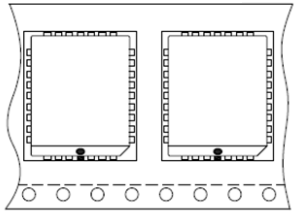
SECTION A – A

Ao = 13.10
Bo = 15.50
Ko = 3.90

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



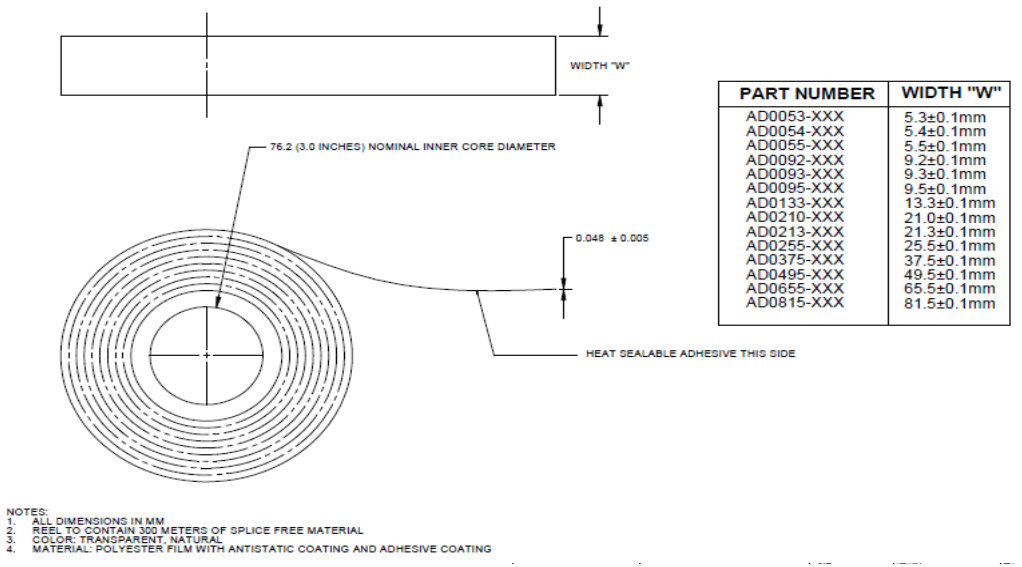


Plant	W (mm.)	P (mm.)	A0 (mm.)	B0 (mm.)	K0 (mm.)	K1 (mm.)	Thickness	BQM	Pin1
KYE	24.00 ±0.30	16.00 ±0.10	13.10 ±0.10	15.50 ±0.10	3.90 ±0.10	-	0.30 ±0.05	750	Quadrant 1-2
MTAI	24.00 ±0.30	16.00 ±0.10	13.10 ±0.10	15.50 ±0.10	3.90 ±0.10	-	0.30 ±0.50	750	Quadrant 1-2

MICROCHIP

Tape and Reel – Cover Tape

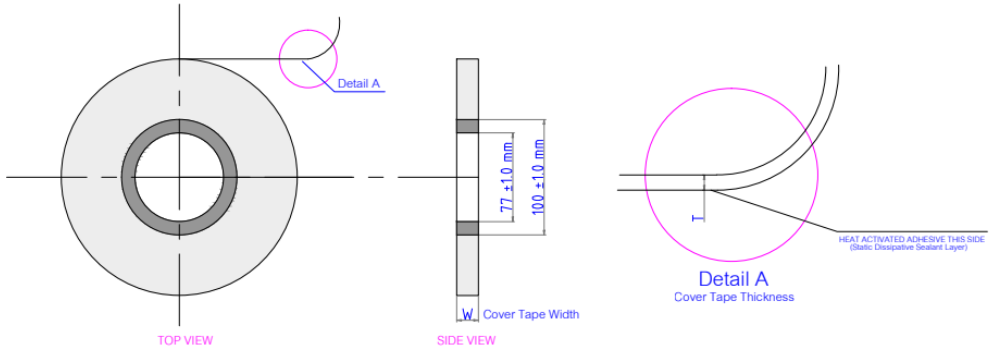
KYE



PART NUMBER	WIDTH "W"
AD0053-XXX	5.3±0.1mm
AD0054-XXX	5.4±0.1mm
AD0055-XXX	5.5±0.1mm
AD0092-XXX	9.2±0.1mm
AD0093-XXX	9.3±0.1mm
AD0095-XXX	9.5±0.1mm
AD0133-XXX	13.3±0.1mm
AD0210-XXX	21.0±0.1mm
AD0213-XXX	21.3±0.1mm
AD0255-XXX	25.5±0.1mm
AD0375-XXX	37.5±0.1mm
AD0495-XXX	49.5±0.1mm
AD0655-XXX	65.5±0.1mm
AD0815-XXX	81.5±0.1mm

NOTES:
1. ALL DIMENSIONS IN MM
2. REEL TO CONTAIN 300 METERS OF SPLICE FREE MATERIAL
3. COLOR: TRANSPARENT, NATURAL
4. MATERIAL: POLYESTER FILM WITH ANTISTATIC COATING AND ADHESIVE COATING

MTAI

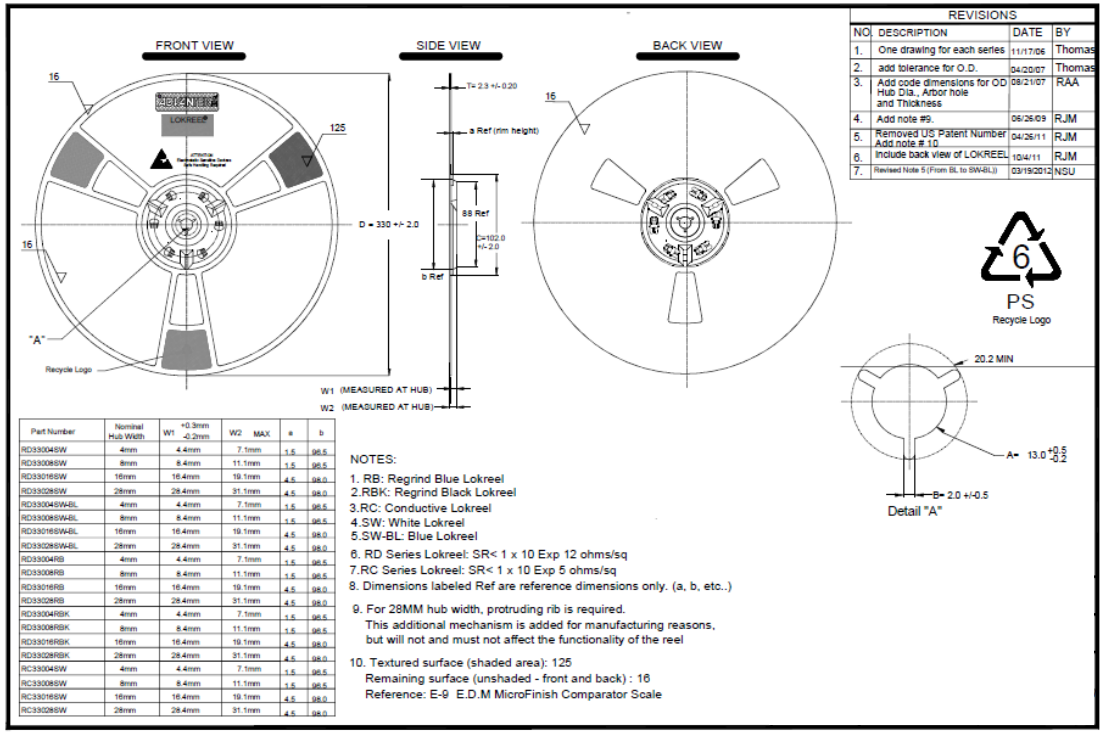


Plant	Width W (mm.)	Thickness T (mm.)	Color	Sealing Methodology
KYE	21.3±0.1	0.048±0.005	Transparent	Heat Seal
MTAI	21.0 ±0.1	0.050 ±0.010	Clear	Heat Seal

MICROCHIP

Tape and Reel – Plastic Reel

KYE

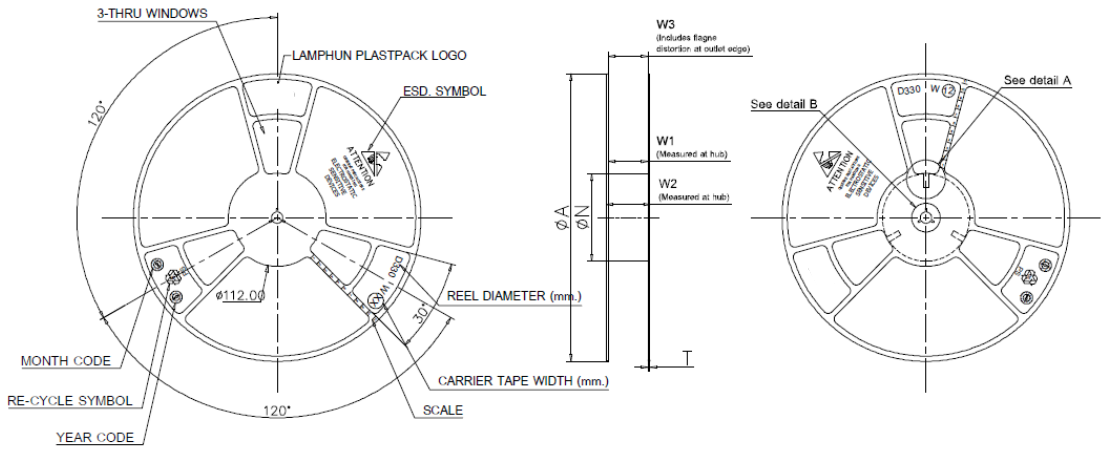


NO	DESCRIPTION	DATE	BY
1.	One drawing for each series	11/17/06	Thomas
2.	add tolerance for O.D.	04/20/07	Thomas
3.	Add code dimensions for OD Hub Dia., Arbor hole and Thickness	08/21/07	RAA
4.	Add note #9.	06/26/09	RJM
5.	Removed US Patent Number Add note # 10	04/26/11	RJM
6.	Include back view of LOKREEL	10/4/11	RJM
7.	Revised Note 5 (From BL to SW-BL))	03/19/2012	NSU

Part Number	Nominal Hub Width	W1 +0.3mm -0.2mm	W2 MAX	a	b
RD33004SW	4mm	4.4mm	7.1mm	1.5	98.5
RD33008SW	8mm	8.4mm	11.1mm	1.5	98.5
RD33016SW	16mm	16.4mm	19.1mm	4.5	98.0
RD33028SW	28mm	28.4mm	31.1mm	4.5	98.0
RD33004SW-BL	4mm	4.4mm	7.1mm	1.5	98.5
RD33008SW-BL	8mm	8.4mm	11.1mm	1.5	98.5
RD33016SW-BL	16mm	16.4mm	19.1mm	4.5	98.0
RD33028SW-BL	28mm	28.4mm	31.1mm	4.5	98.0
RD33004RB	4mm	4.4mm	7.1mm	1.5	98.5
RD33008RB	8mm	8.4mm	11.1mm	1.5	98.5
RD33016RB	16mm	16.4mm	19.1mm	4.5	98.0
RD33028RB	28mm	28.4mm	31.1mm	4.5	98.0
RD33004RBK	4mm	4.4mm	7.1mm	1.5	98.5
RD33008RBK	8mm	8.4mm	11.1mm	1.5	98.5
RD33016RBK	16mm	16.4mm	19.1mm	4.5	98.0
RD33028RBK	28mm	28.4mm	31.1mm	4.5	98.0
RC33004SW	4mm	4.4mm	7.1mm	1.5	98.5
RC33008SW	8mm	8.4mm	11.1mm	1.5	98.5
RC33016SW	16mm	16.4mm	19.1mm	4.5	98.0
RC33028SW	28mm	28.4mm	31.1mm	4.5	98.0

NOTES:
1. RB: Regrind Blue Lokreel
2.RBK: 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

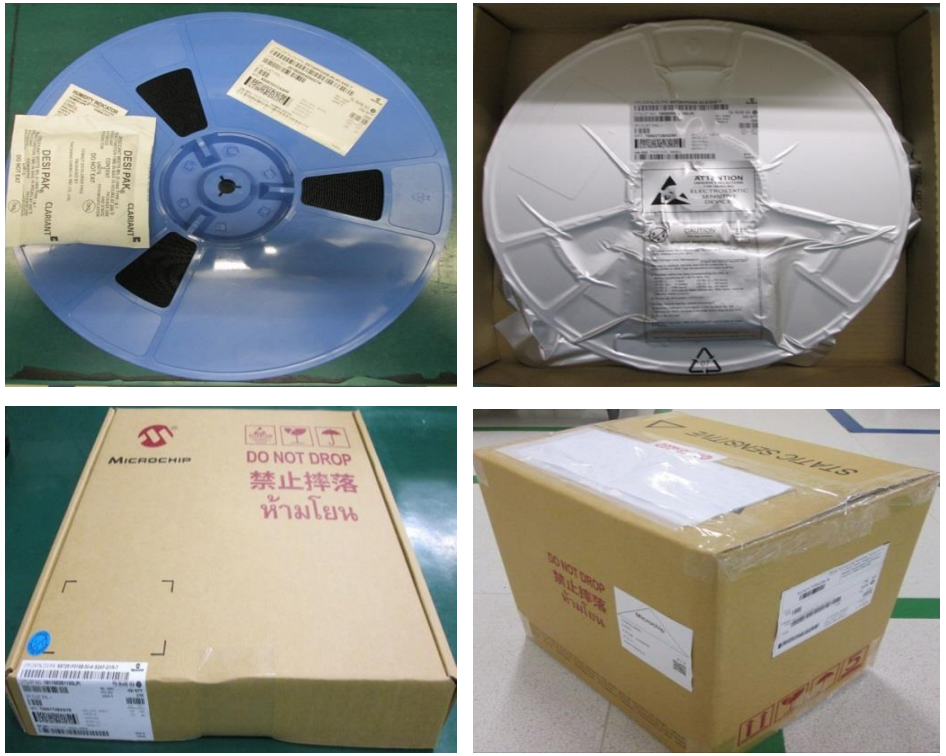
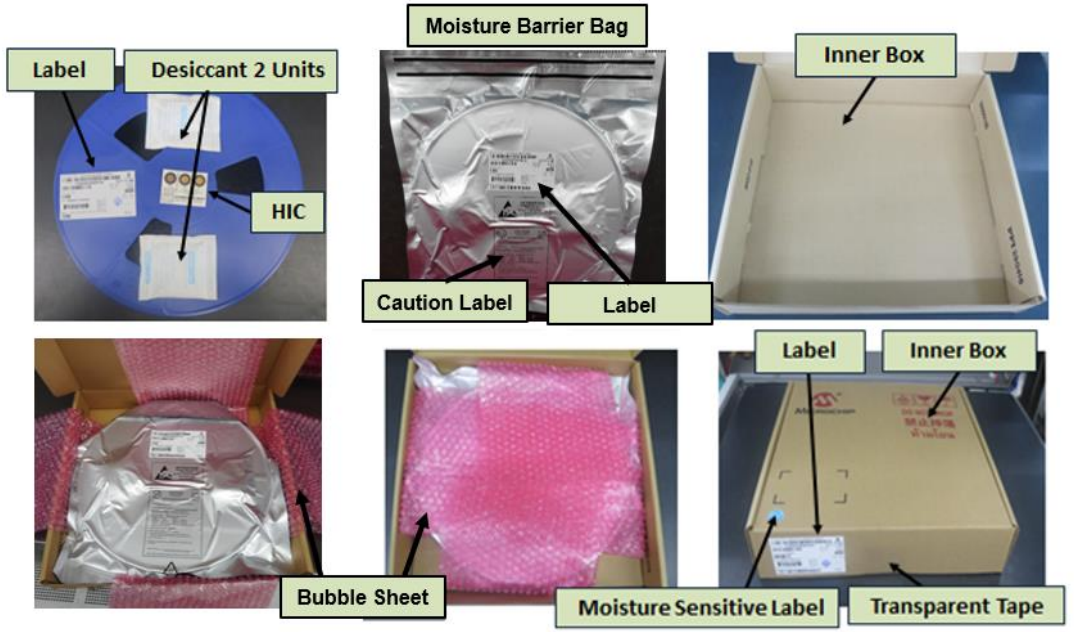
MTAI



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

MICROCHIP

Tape and Reel – Packing Method (Dry Pack)

KYE	MTAI
	

CENO-02KHGL616 - CCB 5240 Final Notice: Qualification of MTAI as a new final test site for selected SST39LF0xx

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