Product Change Notification / ASER-26CZWZ911

Date:

28-Jul-2022

Product Category:

Memory

PCN Type:

Manufacturing Change

Notification Subject:

CCB 5218 Initial Notice: Qualification of MTAI as a new final test site for selected SST26VF016-80-5I-S2AE, SST26VF016-80-5I-QAE, SST26VF016-80-5I-S2AE-T and SST26VF016-80-5I-QAE-T catalog part numbers (CPN) available in 8L SOIJ (.208in) and 8L TDFN-S (6x5x0.8mm) packages.

Affected CPNs:

ASER-26CZWZ911_Affected_CPN_07282022.pdf
ASER-26CZWZ911_Affected_CPN_07282022.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 a new final test site for selected SST26VF016-80-5I-S2AE, SST26VF016-80-5I-QAE, SST26VF016-80-5I-S2AE-T and SST26VF016-80-5I-QAE-T catalog part numbers (CPN) available in 8L SOIJ (.208in) and 8L TDFN-S (6x5x0.8mm) packages.

Pre and Post Change Summary:

		Pre Change	Post Change
Final Test		King Yuan Electronics Company, Limited (KYE)	Microchip Technology Thailand (HQ) (MTAI)
Base Quantity Multiple (BQM)	8L TDFN-S Tube Package	98	98
	8L SOIJ Tube Package	90	90
	8L TDFN-S T/R Package	2000	2000
	8L SOIJ T/R Package	2100	2100
Pin 1 Orientation	8L TDFN-S Tube Package	Towards Gray Stopper	Towards Gray Stopper
	8L SOIJ Tube Package	White	White
	8L TDFN-S T/R Package	Quadrant 2	Quadrant 2
	8L SOIJ T/R Package	Quadrant 1	Quadrant 1
Tube		Minor dimensional changes. See Pre and Post Change Summary for comparison.	
Cover Tape		Minor dimensional changes. See Pre and Post Change Summary for comparison.	
Carrier Tape		Minor dimensional changes. See Pre and Post Change Summary for comparison.	
Plastic Reel		Minor dimensional changes. See Pre and Post Change Summary for comparison.	
Packing Method		See Pre and Post Change Summary for comparison.	

Impacts to Data Sheet: None

Change Impact None

Reason for Change: To improve cycle time by qualifying MTAI as a new assembly site.

Change Implementation Status: In Progress

Estimated Qualification Completion Date: August 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:

	July 2022					August 2022				
Workweek	27	28	29	30	31	32	33	34	35	36
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: July 28, 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_ASER-26CZWZ911_Pre and Post Change_Summary.pdf
PCN_ASER-26CZWZ911_Qual Plan.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.

ASER-26CZWZ911 - CCB 5218 Initial Notice: Qualification of MTAI as a new final test site for selected SST26VF016-80-5I-S2AE, SST26VF016-80-5I-QAE, SST26VF016-80-5I-S2AE-T and SST26VF016-80-5I-QAE-T catalog part numbers (CPN) available in 8L SOIJ (.208in) and 8L TDFN-S (6x5x0.8mm) packages.

Affected Catalog Part Numbers (CPN)

SST26VF016-80-5I-S2AE

SST26VF016-80-5I-QAE

SST26VF016-80-5I-S2AE-T

SST26VF016-80-5I-QAE-T

CCB 5218
Pre and Post Change Summary
PCN# ASER-26CZWZ911

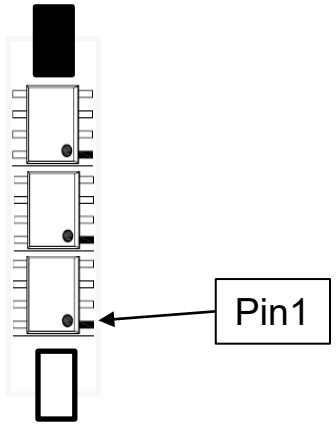
A Leading Provider of Smart, Connected and Secure Embedded Control Solutions

SUMMARY - 8L SOIJ PACKAGE

Item	Description	Media	KYE	MTHAI
1	BQM and Pin1 Orientation	TUBE	BQM: 90 See slide 3	BQM: 90 See slide 3
2		T/R	BQM: 2100 Quadrant 1 See slide 6	BQM: 2100 Quadrant 1 See slide 6
3	Tube drawing	TUBE	See slide 4	See slide 4
4	Tube packing method	TUBE	See slide 5	See slide 5
5	Carrier Tape Drawing	T/R	See slide 7	See slide 7
6	Cover Tape Drawing	T/R	See slide 8	See slide 8
7	Plastic Reel Drawing	T/R	See slide 9	See slide 9
8	T/R packing method	T/R	See slide 10	See slide 10

TUBE BQM AND PIN1 ORIENTATION - 8L SOIJ PACKAGE

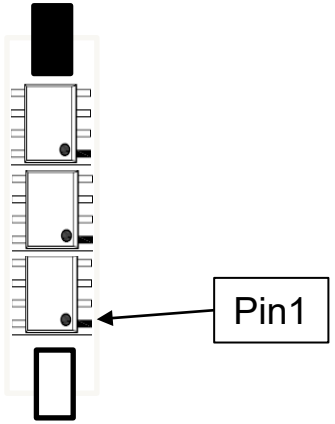
KYE



Media	Unit/ Tube	Tubes /Bag	Units/Box
TUBE	90	50	4500

Media	Pin1 Side	Opposite Side
TUBE	White	Black

MTAI

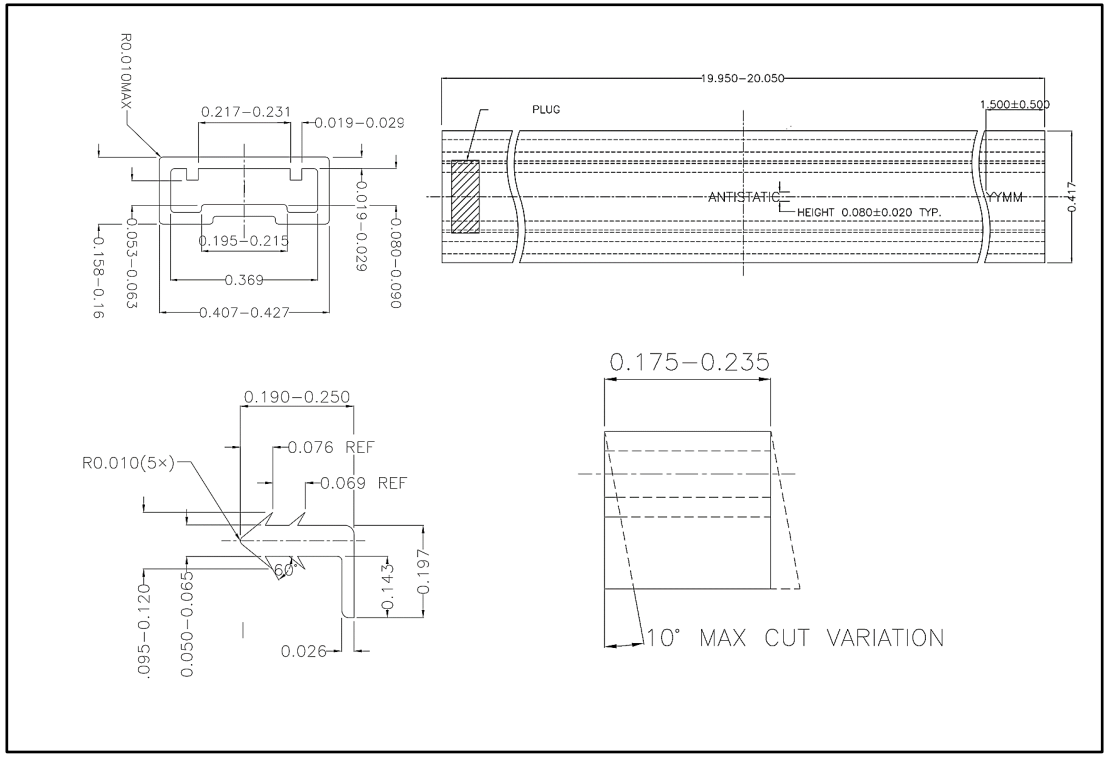


Media	Unit/ Tube	Tubes /Bag	Units/Box
TUBE	90	50	4500

Media	Pin1 Side	Opposite Side
TUBE	White	Black

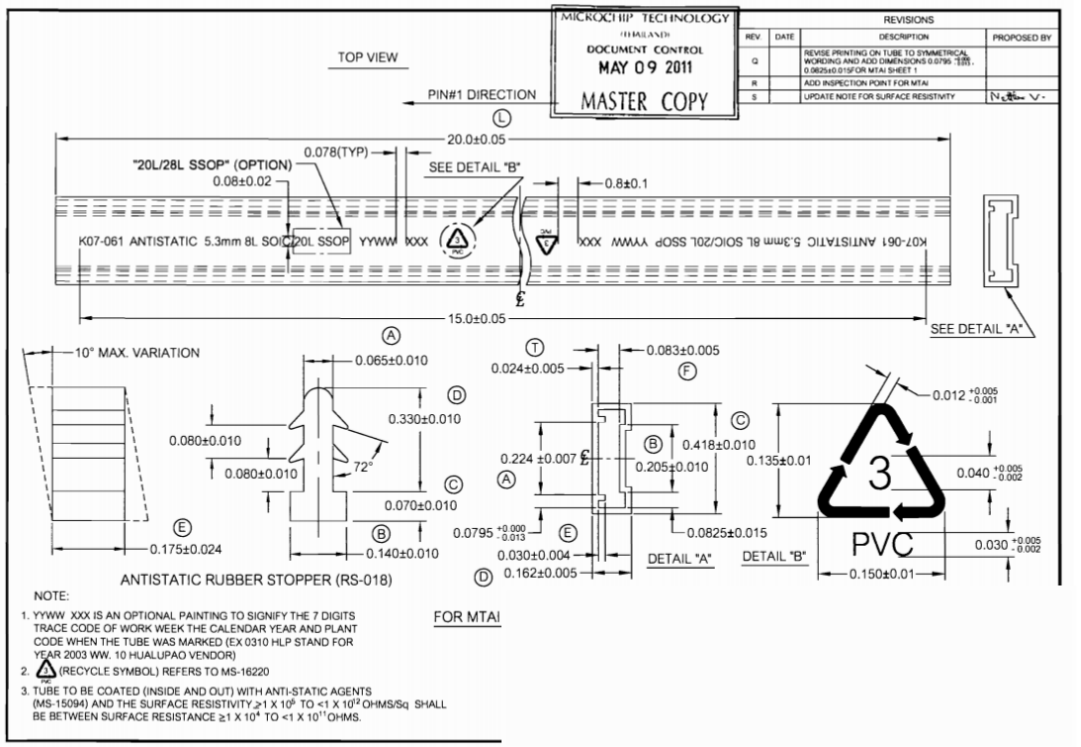
TUBE DRAWING - 8L SOIJ PACKAGE

KYE



Tube Length	Dimension	Color
20.00 +/-0.05 inch	See on drawing	Clear

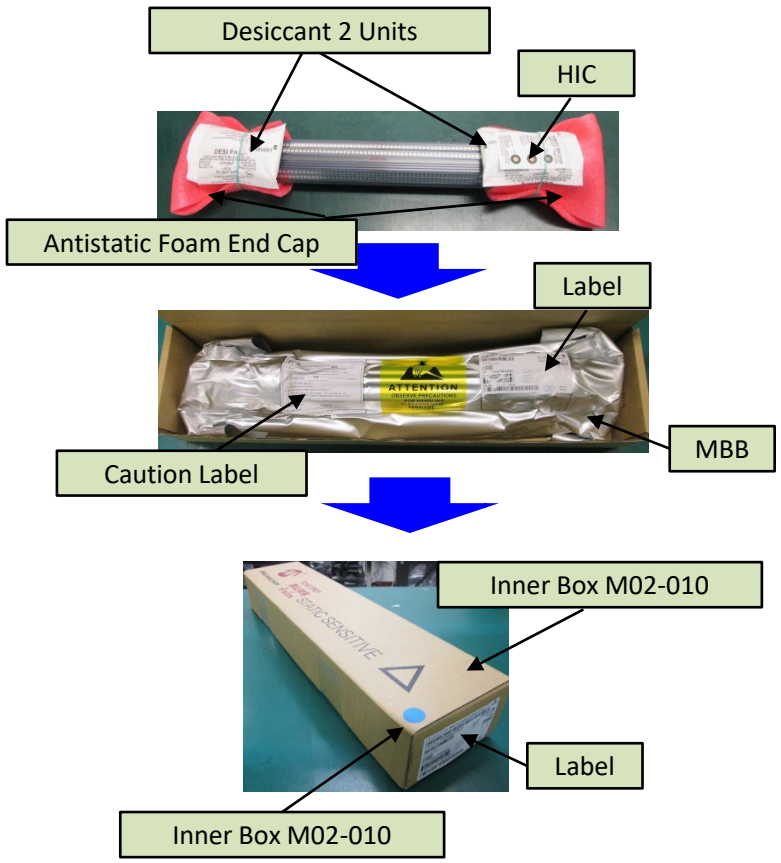
MTAI



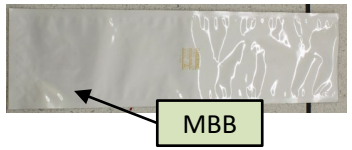
Tube Length	Dimension	Color
20.00 +/-0.05 inch	See on drawing	Clear

TUBE PACKING METHOD - 8L SOIJ PACKAGE

KYE



MTAI



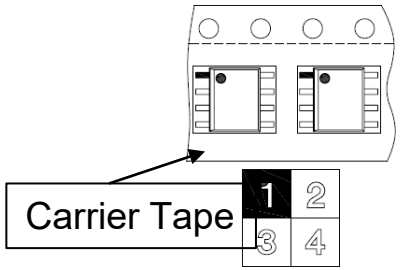
P/N	WIDTH	LENGTH
DY3008	160	650

Inner box		Outer Box		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 per 1
		M01-028 (C4)	28x63.5x11	2 per 1
		M01-029 (C6)	28x63.5x15.5	3 per 1
		M01-030 (C8)	28x63.5x20	4 per 1
		M01-040 (S6)	43x59x19	6 per 1

T/R BQM AND PIN1 ORIENTATION - 8L SOIJ PACKAGE

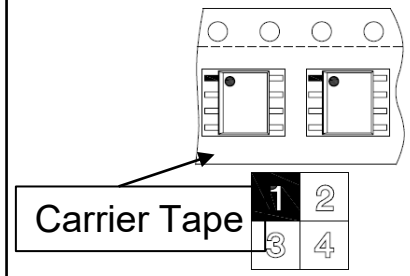
KYE

Media	Reel/Bag	Unit/Reel
T/R	1	2100

Media	Pin1 Side
T/R	 Quadrant 1

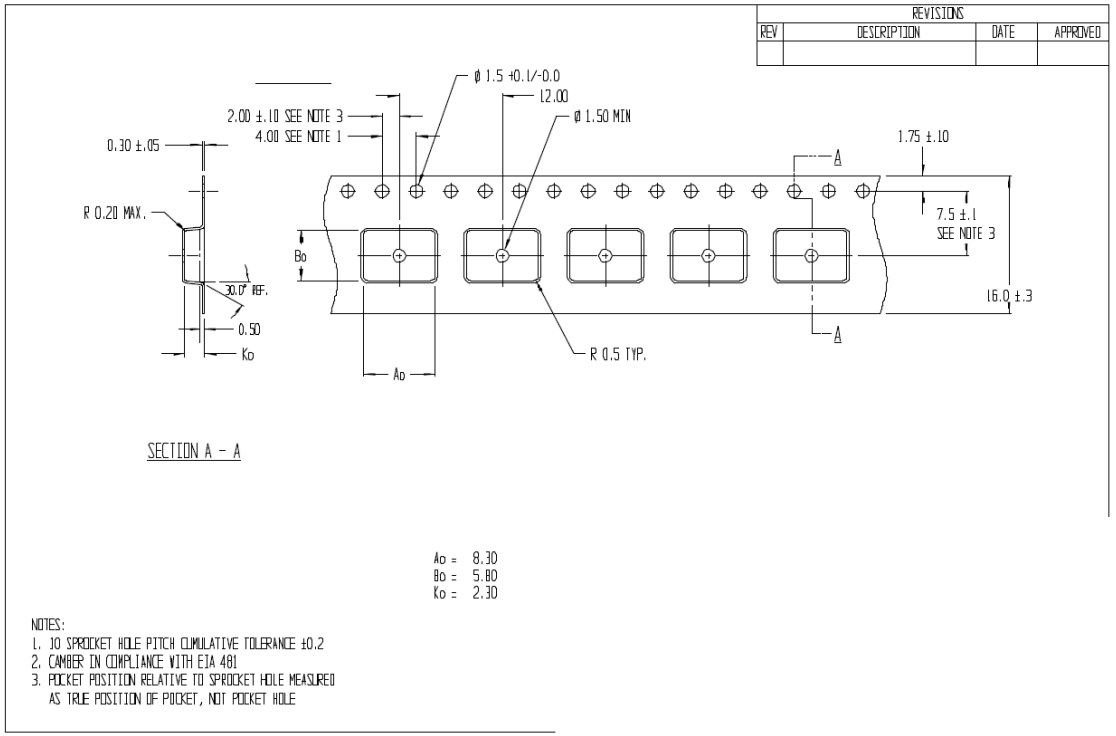
MTAI

Media	Reel/Bag	Unit/Reel
T/R	1	2100

Media	Pin1 Side
T/R	 Quadrant 1

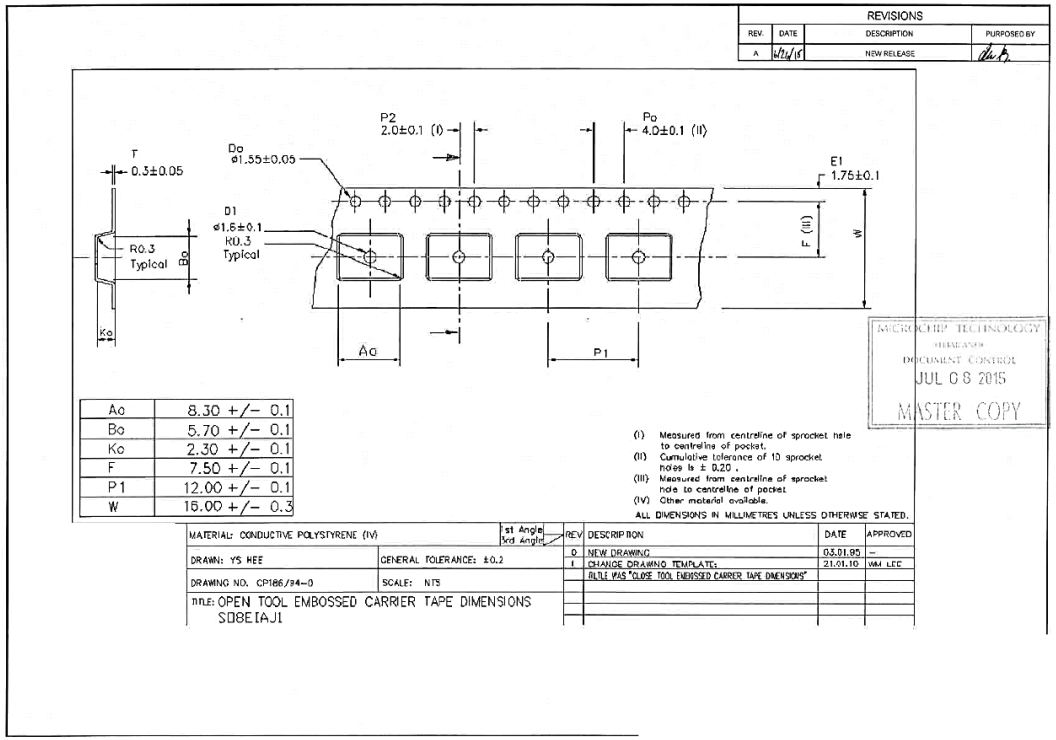
CARRIER TAPE DRAWING - 8L SOIJ PACKAGE

KYE



W (mm.) ±0.3 or Specific	P (mm.) ±0.1 or Specific	A_0 ±0.1 or Specific	B_0 ±0.1 or Specific	K_0 ±0.1 or Specific	Thickness
16	12	8.30	5.80	2.30	0.30 +/-0.05

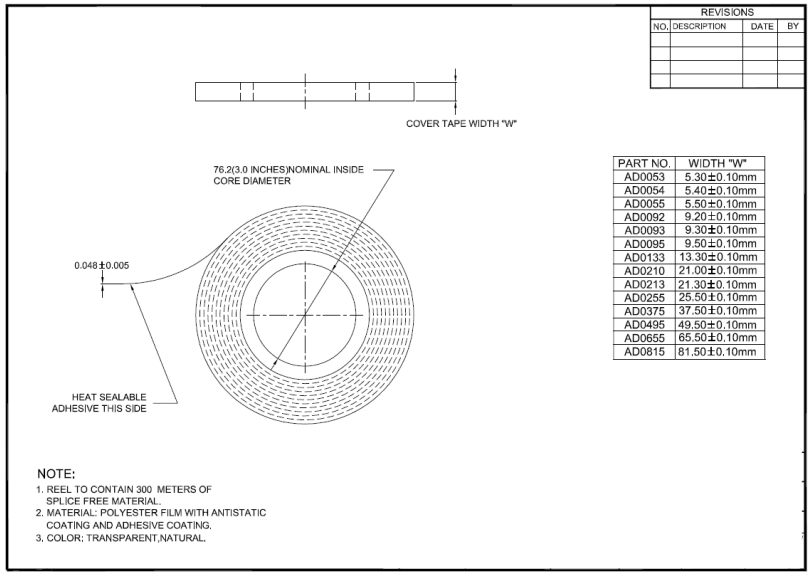
MTAI



W (mm.) ±0.3 or Specific	P (mm.) ±0.1 or Specific	A_0 ±0.1 or Specific	B_0 ±0.1 or Specific	K_0 ±0.1 or Specific	Thickness
16	12	8.30	5.70	2.30	0.30 +/-0.05

COVER TAPE DRAWING - 8L SOIJ PACKAGE

KYE

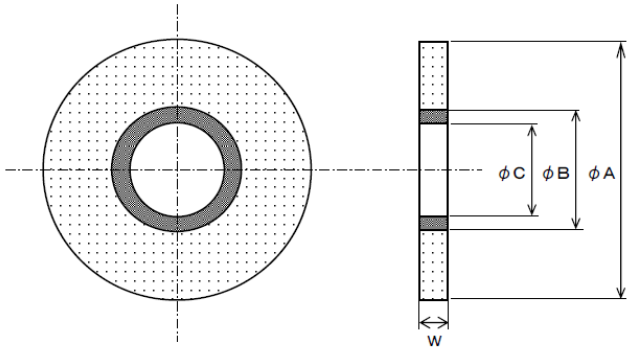


PART NO.	WIDTH "W"
AD0053	5.30±0.10mm
AD0054	5.40±0.10mm
AD0055	5.50±0.10mm
AD0092	9.20±0.10mm
AD0093	9.30±0.10mm
AD0095	9.50±0.10mm
AD0133	13.30±0.10mm
AD0210	21.00±0.10mm
AD0213	21.30±0.10mm
AD0255	25.50±0.10mm
AD0375	37.50±0.10mm
AD0495	49.50±0.10mm
AD0655	65.50±0.10mm
AD0815	81.50±0.10mm

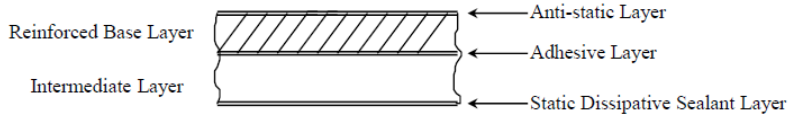
未蓋有紅色"CONTROLLED DOCUMENT"印章之本圖面複製本，皆為"UNCONTROLLED DOCUMENT"文件。使用前，請先確定其有效性。未經許可，請勿隨意複製。

Carrier Width	Width "W" (mm)	Thickness (mm)	Sealing Mythology
16mm	13.30 +/- 0.10	0.048 ±0.005	Heat seal

MTAI



STRUCTURE

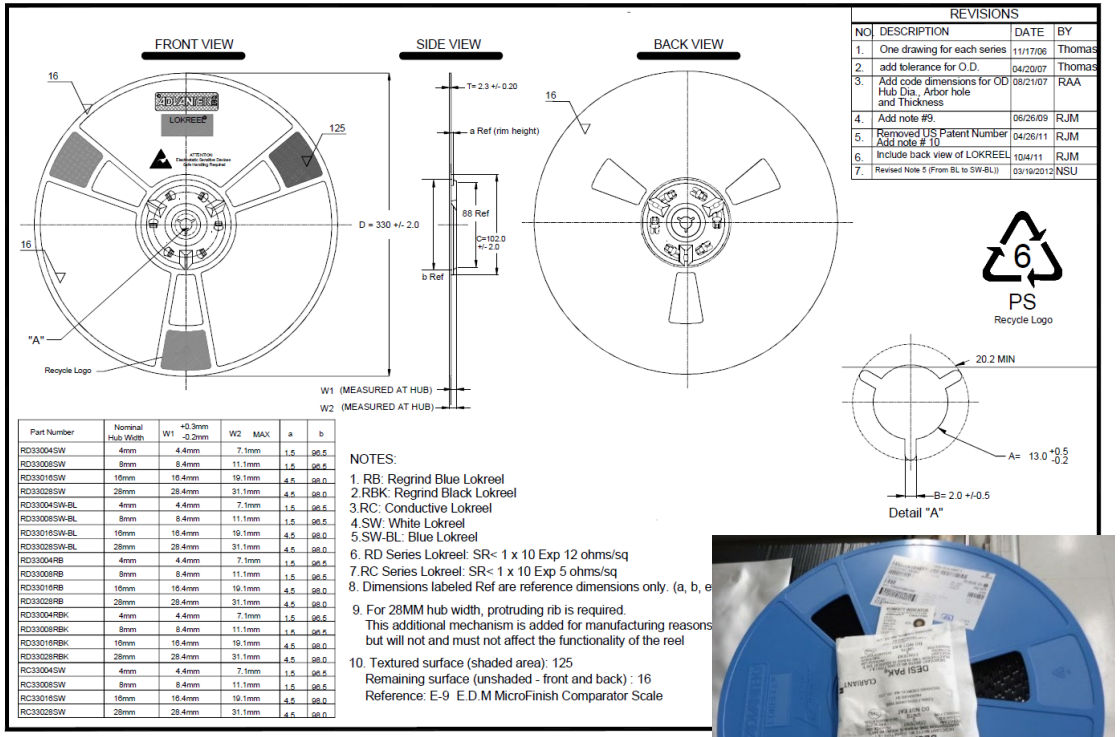


Carrier Width	Width "W" (mm)	Thickness (mm)	Sealing Mythology
16mm	13.30 +/- 0.10	0.050 ±0.010	Heat seal

MICROCHIP

PLASTIC REEL DRAWING - 8L SOIJ PACKAGE

KYE

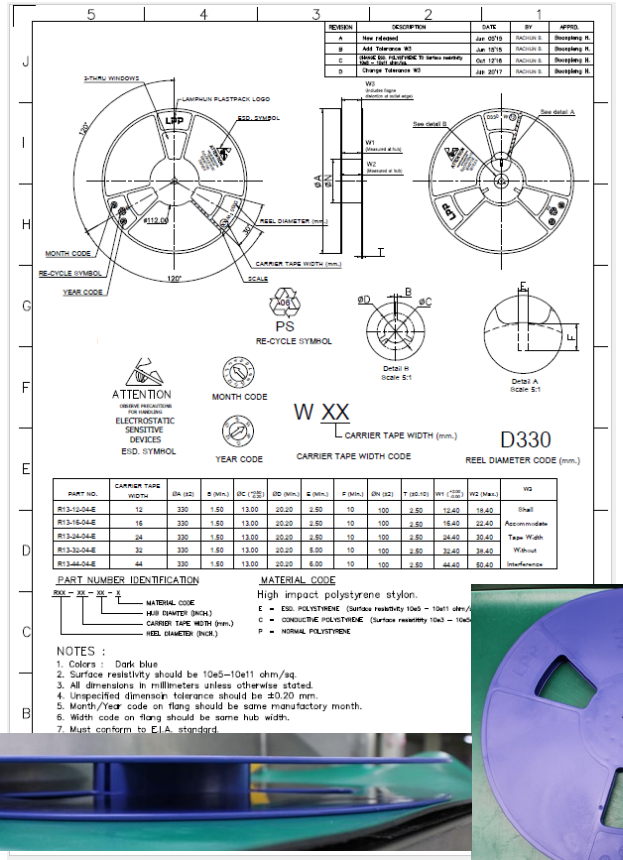


Part Number	Nominal Hub Width	W1 +0.3mm -0.2mm	W2 MAX	a	b
RD33004SW	4mm	4.4mm	7.1mm	1.5	96.5
RD33008SW	8mm	8.4mm	11.1mm	1.5	96.5
RD33016SW	16mm	16.4mm	19.1mm	4.5	98.0
RD33028SW	28mm	28.4mm	31.1mm	4.5	98.0
RD33004SW-BL	4mm	4.4mm	7.1mm	1.5	96.5
RD33008SW-BL	8mm	8.4mm	11.1mm	1.5	96.5
RD33016SW-BL	16mm	16.4mm	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	96.5
RD33008RB	8mm	8.4mm	11.1mm	1.5	96.5
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	96.5
RD33008RBK	8mm	8.4mm	11.1mm	1.5	96.5
RD33016RBK	16mm	16.4mm	19.1mm	4.5	98.0
RD33028RBK	28mm	28.4mm	31.1mm	4.5	98.0
RD33004SW	4mm	4.4mm	7.1mm	1.5	96.5
RD33008SW	8mm	8.4mm	11.1mm	1.5	96.5
RD33016SW	16mm	16.4mm	19.1mm	4.5	98.0
RD33028SW	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, e
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

Width	Diameter	Hub	Color
16mm	330mm +/-2.0mm	4inch (102 +/-0.2mm)	Dark Blue

MTAI

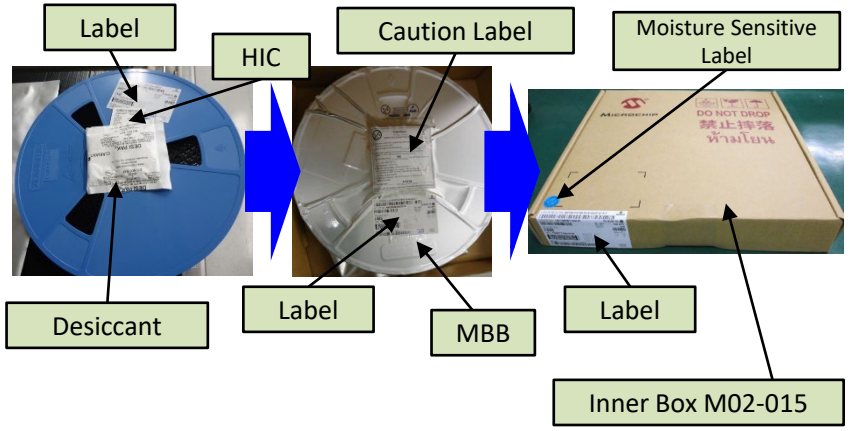


Width	Diameter	Hub	Color
16mm	330mm +/-2.0mm	4inch (100mm +/-0.2mm)	Dark Blue

MICROCHIP

T/R DRY PACK PACKING METHOD - 8L SOIJ PACKAGE

KYE



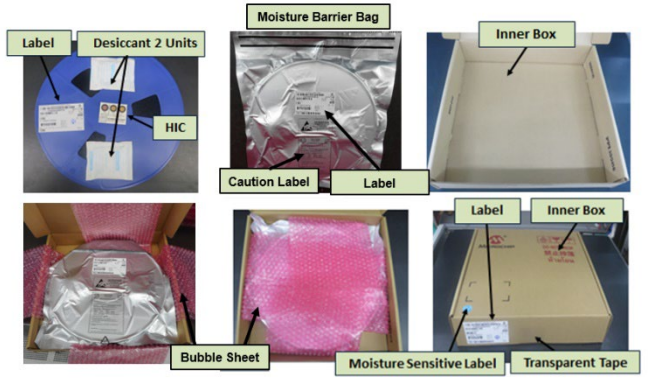
Outer Box

(Side)

(Other Side)

MTAI

P/N	WIDTH	LENGTH
DY3008	370	420



Inner box		Outer Box		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)	
M02-015 (Small)	37x35.1x5.3	M01-044 (SM)	37.0x38.0x11.0	1 : 1
		M01-045 (S4)	37.0x38.0x22.5	3 : 1
		M01-046 (S5)	37.0x39.0x39.0	6 : 1
		M01-047 (S3)	42.0x66.0x39.0	11 : 1

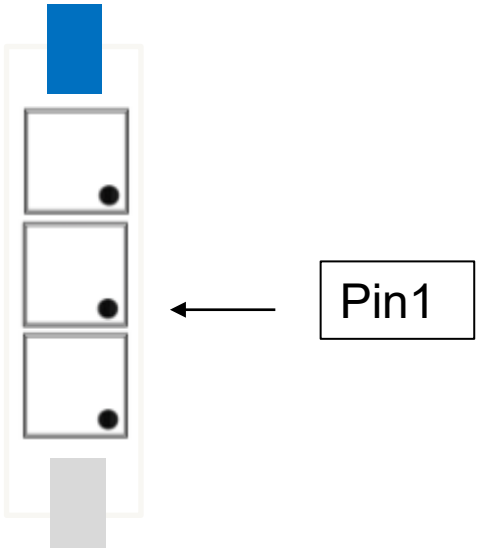
MICROCHIP

SUMMARY - 8L TDFN-S PACKAGE

Item	Description	Media	KYE	MTHAI
1	BQM and Pin1 Orientation	TUBE	BQM: 98 See slide 12	BQM: 98 See slide 12
2		T/R	BQM: 2000 Quadrant 2 See slide 15	BQM: 2000 Quadrant 2 See slide 15
3	Tube drawing	TUBE	See slide 12	See slide 12
4	Tube packing method	TUBE	See slide 14	See slide 14
5	Carrier Tape Drawing	T/R	See slide 15	See slide 15
6	Cover Tape Drawing	T/R	See slide 16	See slide 16
7	Plastic Reel Drawing	T/R	See slide 17	See slide 17
8	T/R packing method	T/R	See slide 18	See slide 18

U3X 8L TDFN-S (6x5x0.8mm) PACKAGE

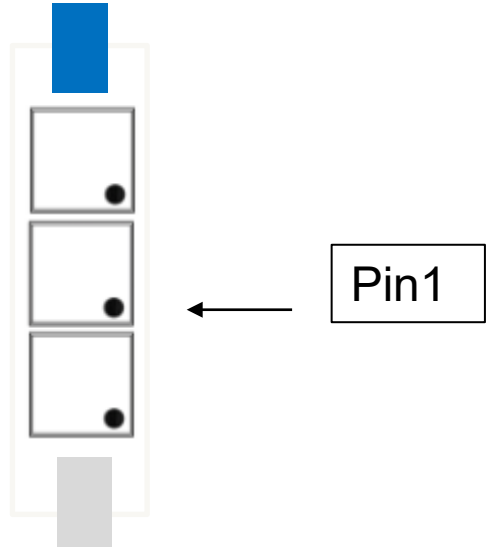
KYE



Media	Unit/ Tube	Tubes /Bag	Units/Box
TUBE	98	150	14,700

Media	Pin1 Side	Opposite Side
TUBE	GREY	BLUE

MTAI

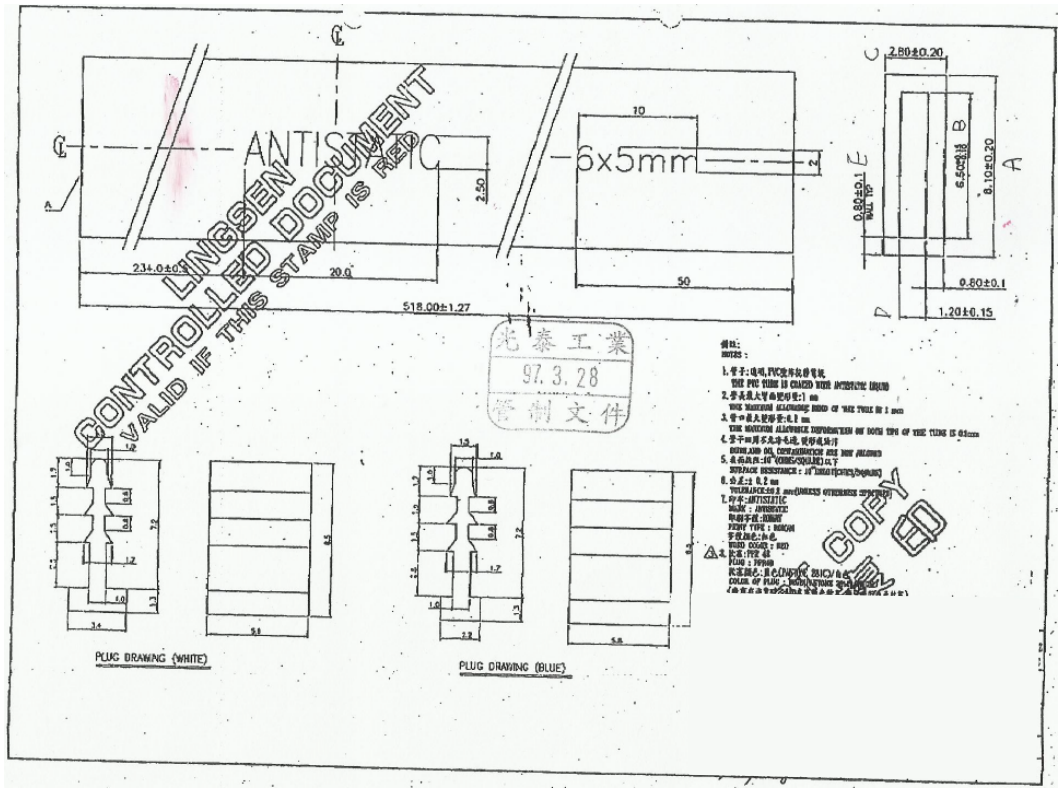


Media	Unit/ Tube	Tubes /Bag	Units/Box
TUBE	98	150	14,700

Media	Pin1 Side	Opposite Side
TUBE	GREY	BLUE

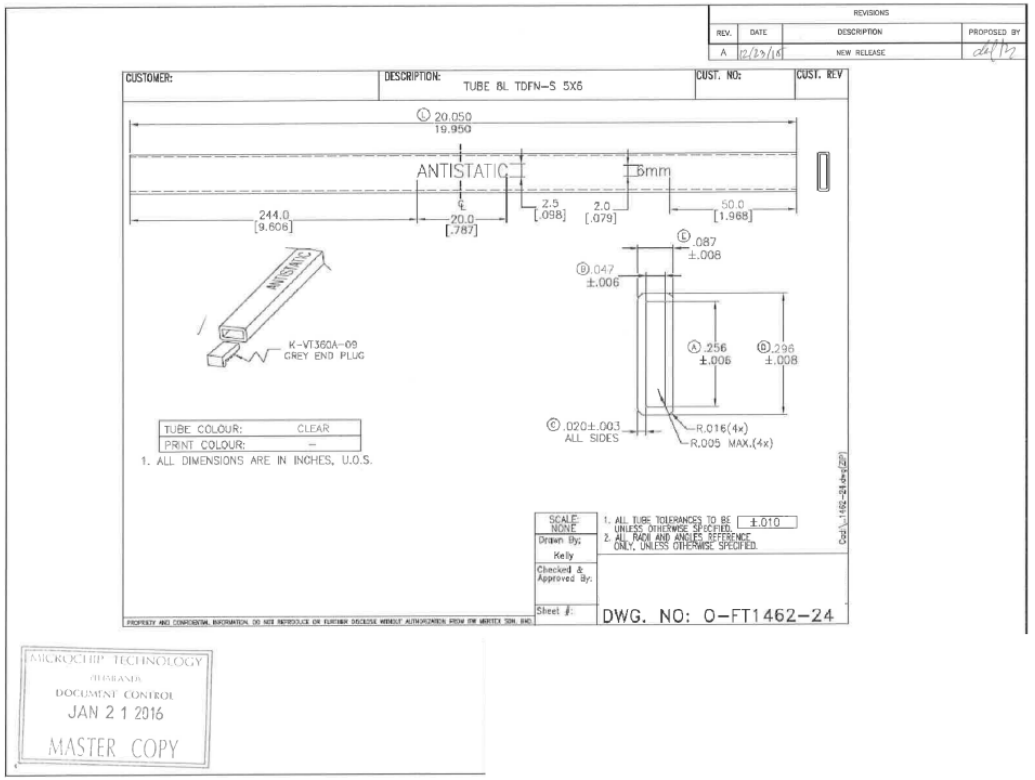
U3X 8L TDFN-S (6x5x0.8mm) PACKAGE

KYE



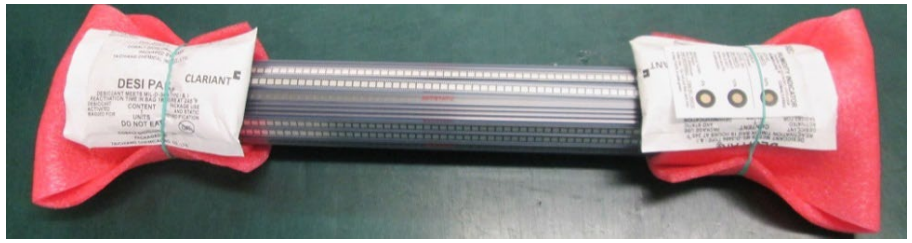
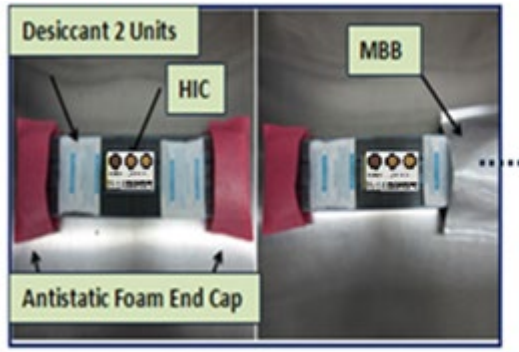
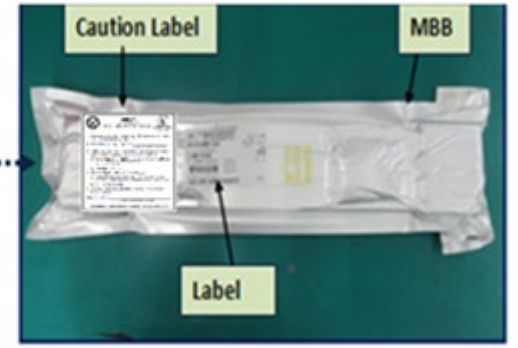
Length	Dimension	Color
518mm (20.393 inch)	See on drawing	Clear

MTAI



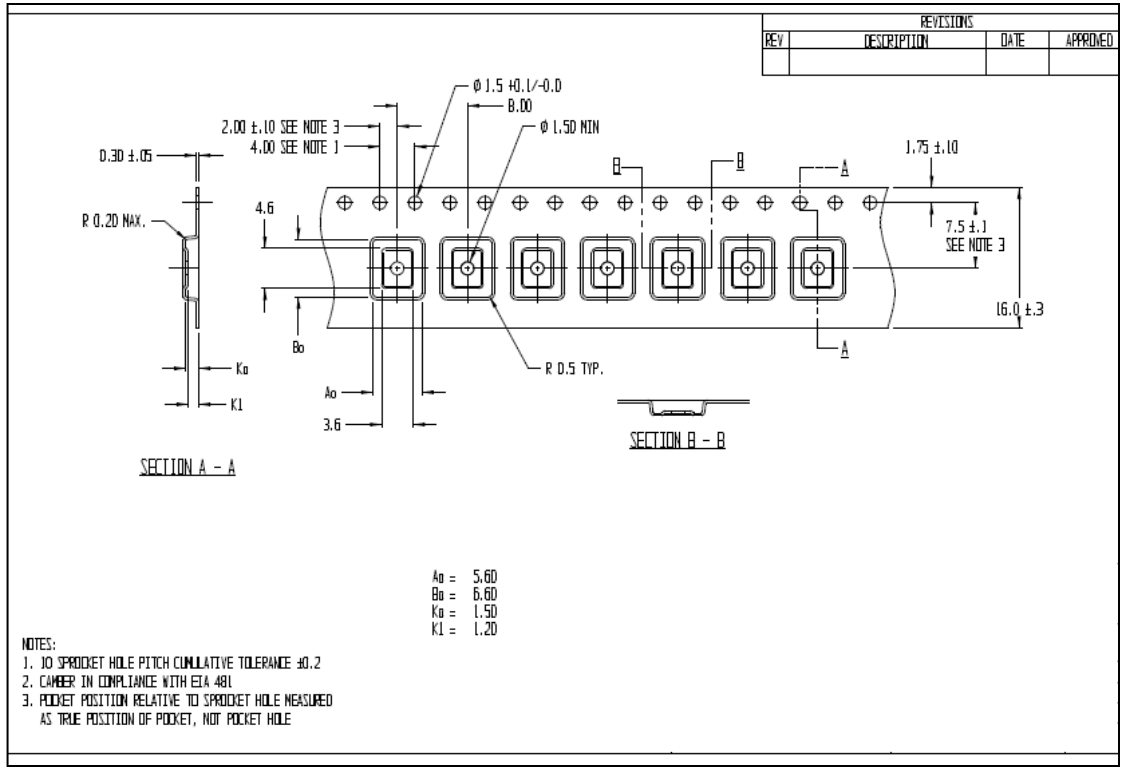
Length	Dimension	Color
20.050 inch	See on drawing	Clear

TUBE Packing Method MSL-3 - 8L TDFN-S PACKAGE

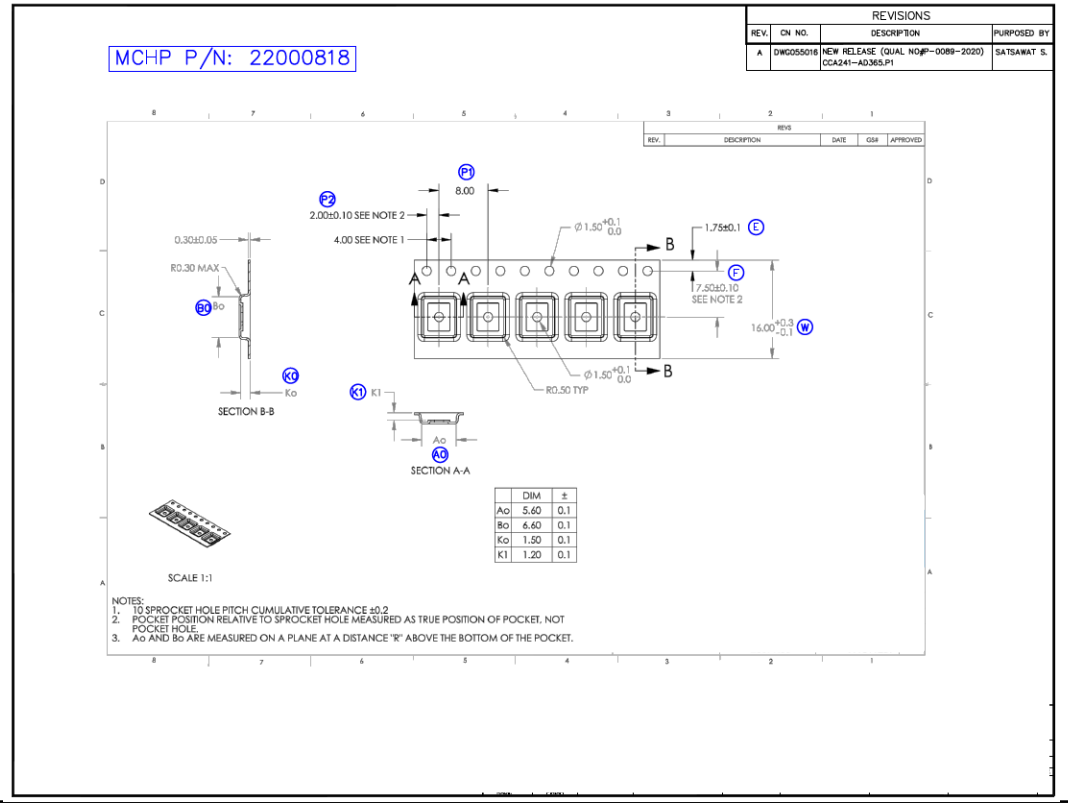
KYE	MTAI
  	  

U3X 8L TDFN-S (6x5x0.8mm) PACKAGE - Carrier Tape

KYE



MTAI

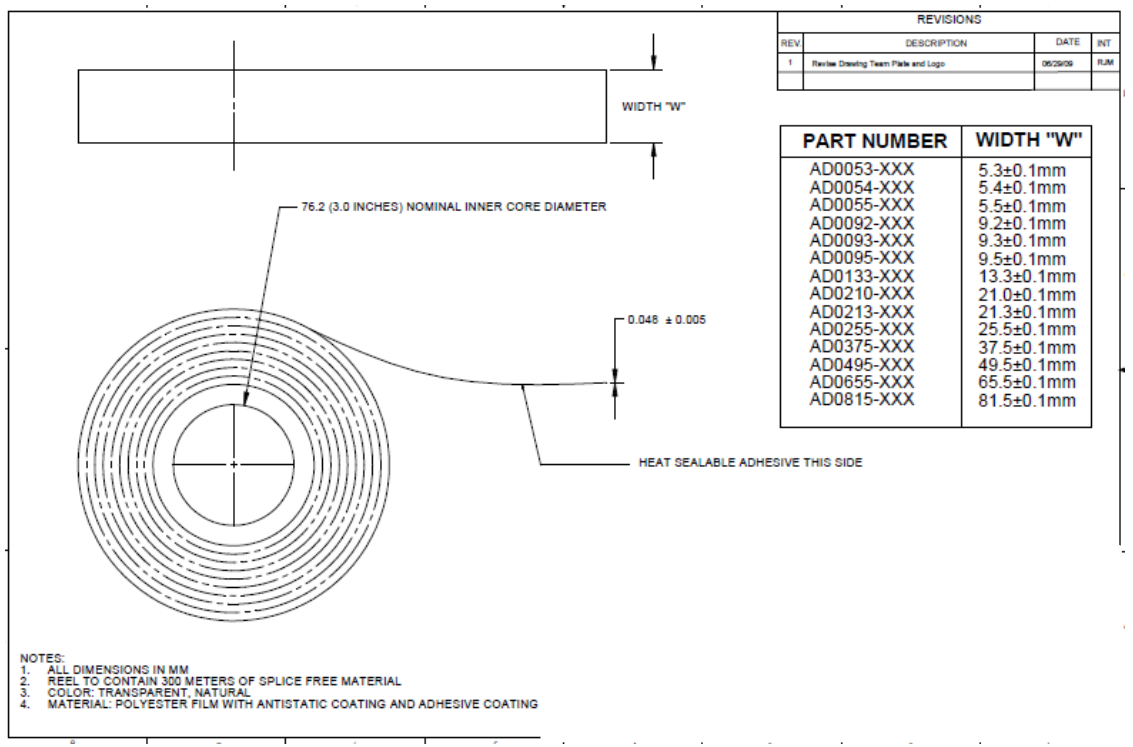


Plant	W (mm.)	P (mm.)	A0 (mm.)	B0 (mm.)	K0 (mm.)	K1 (mm.)	Thickness	BQM	Pin1
KYE	16.00 ±0.30	8.00 ±0.10	5.60 ±0.10	6.60 ±0.10	1.50 ±0.10	1.20 ±0.10	0.30±0.05	2000	Quadrant 2
MTAI	16.00 ±0.30	8.00 ±0.10	5.60 ±0.10	6.60 ±0.10	1.50 ±0.10	1.20 ±0.10	0.30±0.05	2000	Quadrant 2

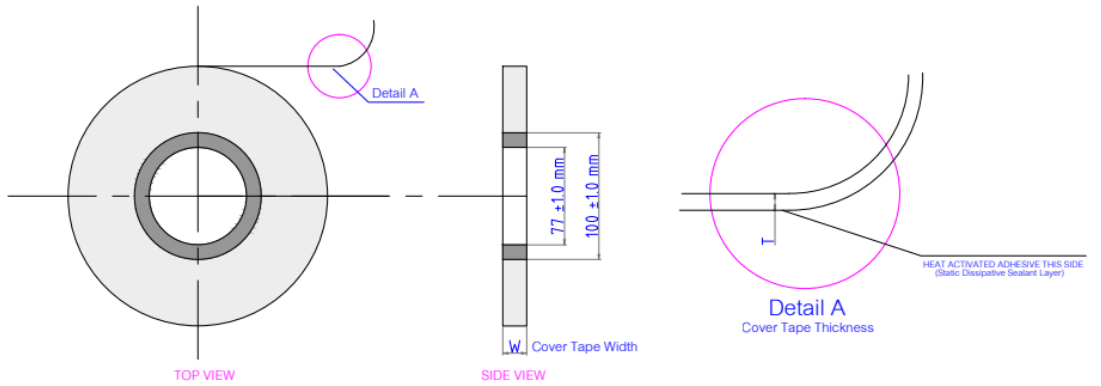
MICROCHIP

U3X 8L TDFN-S (6x5x0.8mm) PACKAGE - Cover Tape

KYE



MTAI

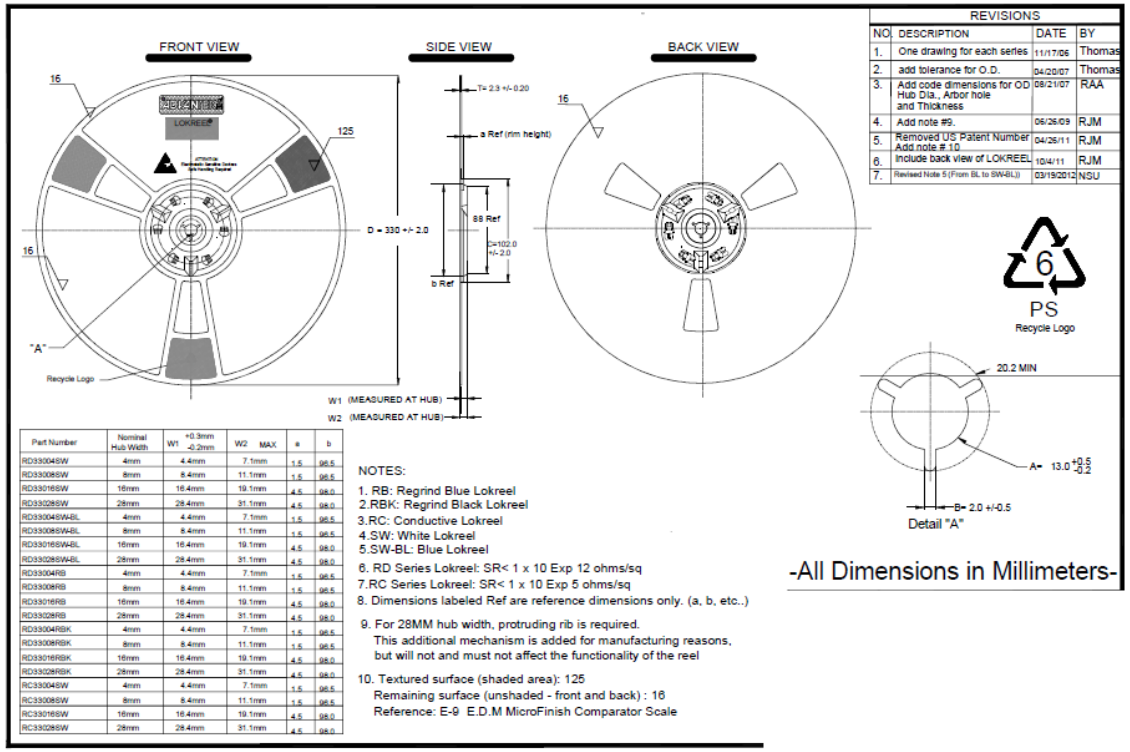


Plant	Width W (mm.)	Thickness T (mm.)	Color	Sealing Methodology
KYE	13.3 ± 0.1	0.048 ±0.005	Transparent	Heat Seal
MTAI	13.3 ± 0.1	0.050 ±0.010	Clear	Heat Seal

MICROCHIP

U3X 8L TDFN-S (6x5x0.8mm) PACKAGE - Plastic Reel

KYE



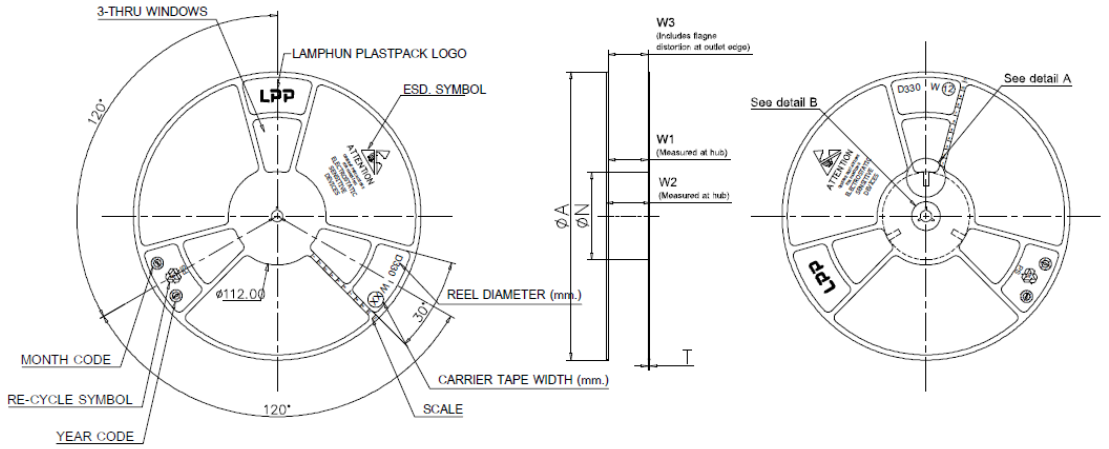
REVISIONS			
NO	DESCRIPTION	DATE	BY
1.	One drawing for each series	11/17/06	Thomas
2.	add tolerance for O.D.	04/20/07	Thomas
3.	Add code dimensions for OD Hub Dia., Arbor hole and Thickness	08/21/07	RAA
4.	Add note #9.	06/26/09	RJM
5.	Removed US Patent Number Add note #.10	04/26/11	RJM
6.	Include back 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
RD3304SW	4mm	4.4mm	7.1mm	1.5	ø6.5
RD3308SW	8mm	8.4mm	11.1mm	1.5	ø6.5
RD3016SW	16mm	16.4mm	19.1mm	4.5	ø8.0
RD3028SW	28mm	28.4mm	31.1mm	4.5	ø8.0
RD3004SW-BL	4mm	4.4mm	7.1mm	1.5	ø6.5
RD3008SW-BL	8mm	8.4mm	11.1mm	1.5	ø6.5
RD3016SW-BL	16mm	16.4mm	19.1mm	4.5	ø8.0
RD3028SW-BL	28mm	28.4mm	31.1mm	4.5	ø8.0
RD3004RB	4mm	4.4mm	7.1mm	1.5	ø6.5
RD3008RB	8mm	8.4mm	11.1mm	1.5	ø6.5
RD3016RB	16mm	16.4mm	19.1mm	4.5	ø8.0
RD3028RB	28mm	28.4mm	31.1mm	4.5	ø8.0
RD3004RBK	4mm	4.4mm	7.1mm	1.5	ø6.5
RD3008RBK	8mm	8.4mm	11.1mm	1.5	ø6.5
RD3016RBK	16mm	16.4mm	19.1mm	4.5	ø8.0
RD3028RBK	28mm	28.4mm	31.1mm	4.5	ø8.0
RC3004SW	4mm	4.4mm	7.1mm	1.5	ø6.5
RC3008SW	8mm	8.4mm	11.1mm	1.5	ø6.5
RC3016SW	16mm	16.4mm	19.1mm	4.5	ø8.0
RC3028SW	28mm	28.4mm	31.1mm	4.5	ø8.0

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

-All Dimensions in Millimeters-

MTAI



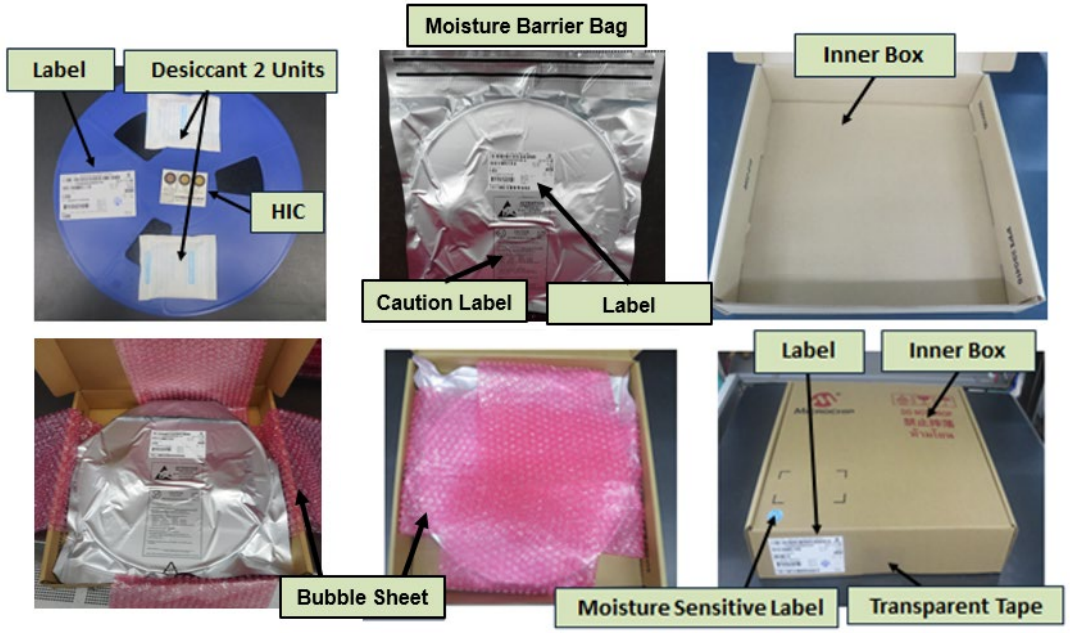
Plant	Reel Diameter (mm.)	Reel Hub Size (mm)	Reel Width Max (mm.)	Color
KYE	330 ±2.0	102 ±2.0	11.1 + 11.1	Regrind Blue
MTAI	330 ±2.0	100 ±2.0	22.40	Dark Blue

MICROCHIP

T/R Packing Method MSL-3 - 8L TDFN-S PACKAGE

KYE

MTAI



QUALIFICATION PLAN SUMMARY
RELIABILITY LABORATORY

PCN #: ASER-26CZWZ911

Date: July 21, 2022

Qualification of MTAI as a new final test site for selected SST26VF016-80-5I-S2AE, SST26VF016-80-5I-QAE, SST26VF016-80-5I-S2AE-T and SST26VF016-80-5I-QAE-T catalog part numbers (CPN) available in 8L SOIJ (.208in) and 8L TDFN-S (6x5x0.8mm) packages.

PACKAGE QUALIFICATION REPORT

Purpose Qualification of MTAI as a new final test site for selected SST26VF016-80-5I-S2AE, SST26VF016-80-5I-QAE, SST26VF016-80-5I-S2AE-T and SST26VF016-80-5I-QAE-T catalog part numbers (CPN) available in 8L SOIJ (.208in) and 8L TDFN-S (6x5x0.8mm) packages.

CCB No. 5218

Test / Evaluation	Test Condition / Parameters
Original and Destination FT Site Correlation	- > 5000 untested units run at both sites (FTC@-40 → 100%QC@-40C) - Delta yield less than 1%. All rejects match Bin2Bin or PE/TE approval
DC&AC Characterization	- 33 good units run at both tester platforms and compare measurable AC & DC parameters - Variant within ± 10% or explainable or PE/TE approval
Datalog Comparison	- Single unit test on both tester platforms and compare datalog - All must be identical or explainable or PE/TE approval
Destination Test Stability Verification	- Full site testing for 50 loops without datalog and with datalog - 100% pass or PE/TE approval