Product Change Notification / ASER-09RAOP971

Date:

31-Aug-2022

Product Category:

Clock and Timing - Oscillators

PCN Type:

Manufacturing Change

Notification Subject:

CCB 4928 Final Notice: Qualification of STAR as an additional final test site for selected DSC100xxx and DSC8xxx device families available in 4L VDFN (3.2x2.5x0.9mm), (2.0x2.5mm) and (3.2x5.0x0.9mm) packages.

Affected CPNs:

ASER-09RAOP971_Affected_CPN_08312022.pdf
ASER-09RAOP971_Affected_CPN_08312022.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 STAR as an additional final test site for selected DSC100xxx and DSC8xxx device families available in 4L VDFN (3.2x2.5x0.9mm), (2.0x2.5mm) and (3.2x5.0x0.9mm) packages.

Pre and Post Change Summary:

		Pre Change	Post Change	
Assembly Site		UTAC Thai Limited (NSEB)	UTAC Thai Limited (NSEB)	Stars Microelectronics (Thailand) Public Company Limited (STAR)
Base Quantity Multiple (BQM)	Tape and Reel	No Change See Pre and Post Change Summary for Comparison.		
	Tube	No Change See Pre and Post Change Summary for Comparison.		
Pin 1 Orientation	Tape and Reel	Quadrant 1	Quadrant 1	Quadrant 1
	Tube	No Change See Pre and Post Change Summary for Comparison.		
Carrier Tape		See Pre and Post Change Summary for Comparison.		
Cover Tape		See Pre and Post Change Summary for Comparison.		
Plastic Reel		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 on-time delivery performance by qualifying STAR as an additional final test site.

Change Implementation Status: In Progress

Estimated First Ship Date: September 1, 2022 (date code: 2236)

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

Time Table Summary:

	November 2021					>	August 2022					September 2022				
Workweek	4	4	4	4	4		3	3	3	3	36	36	37	3	3	4

	5	6	7	8	9		2	3	4	5				8	9	0
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: November 18, 2021: Issued initial notification.
August 31, 2022: Issued final notification. Updated subject, description and affected CPN list to add DSC8 products as part of the scope and include catalog part numbers (CPN) released prior issuance of the Final PCN. Attached the Qualification Report. Provided estimated first ship date to be on September 1, 2022.

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-09RAOP971 Pre and Post Change Summary 1 of 2.pdf
PCN_ASER-09RAOP971 Pre and Post Change Summary 2 of 2.pdf
PCN_ASER-09RAOP971_Qualification Report.pdf

Please contact your local Microchip sales office with questions or concerns regarding this notification.

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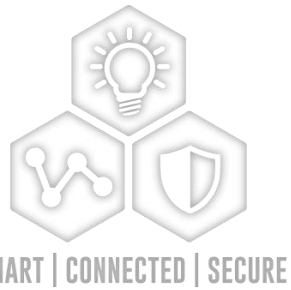
If you wish to change your PCN profile, including opt out, please go to the PCN home page select login

and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

CCB 4928
Pre and Post Change Summary
1 of 2
PCN #: ASER-09RAOP971

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

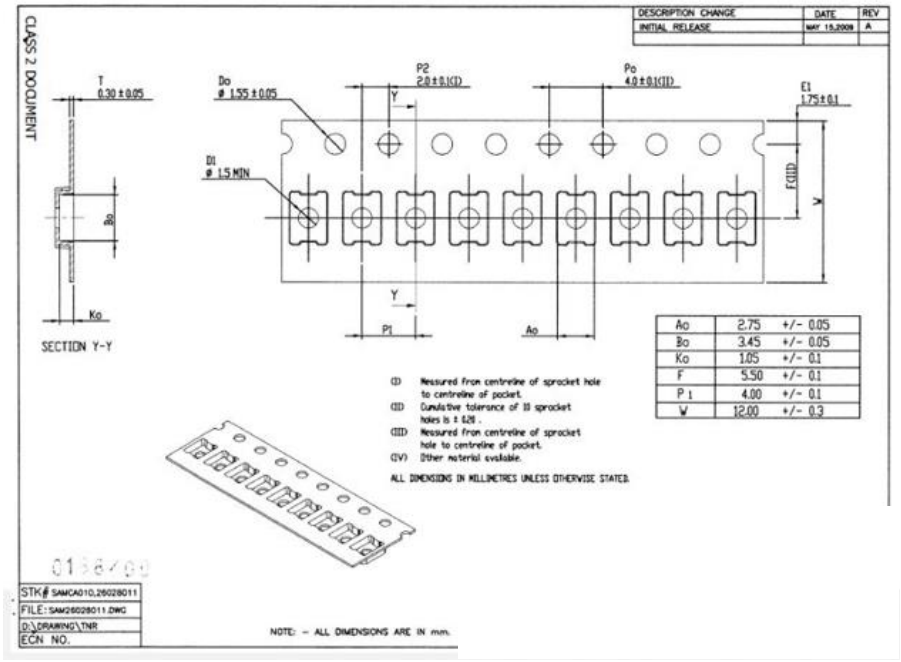
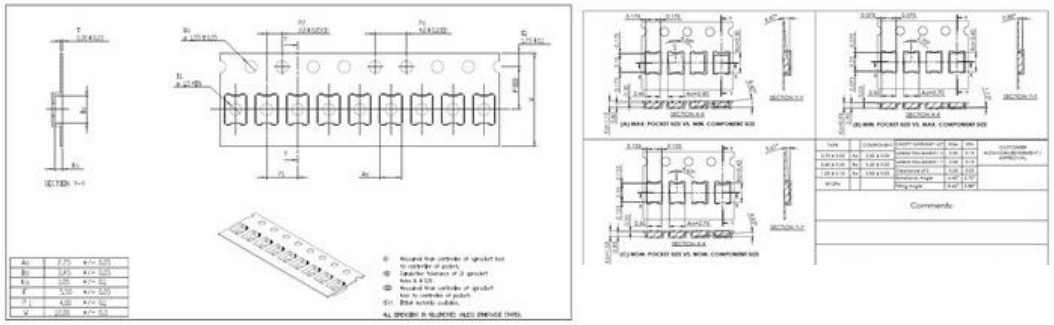


Change Summary –H4A Packing TR

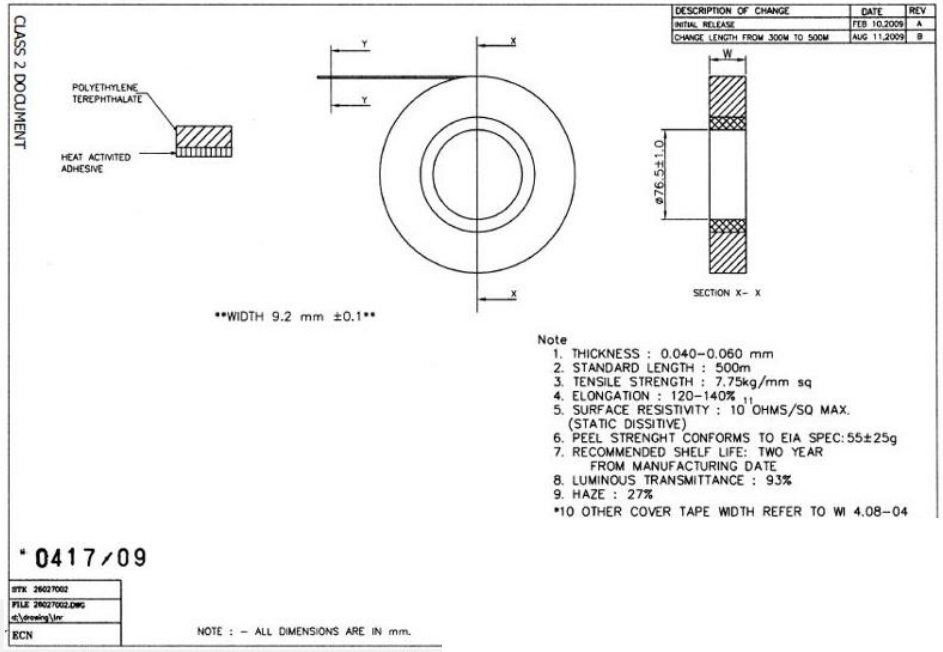
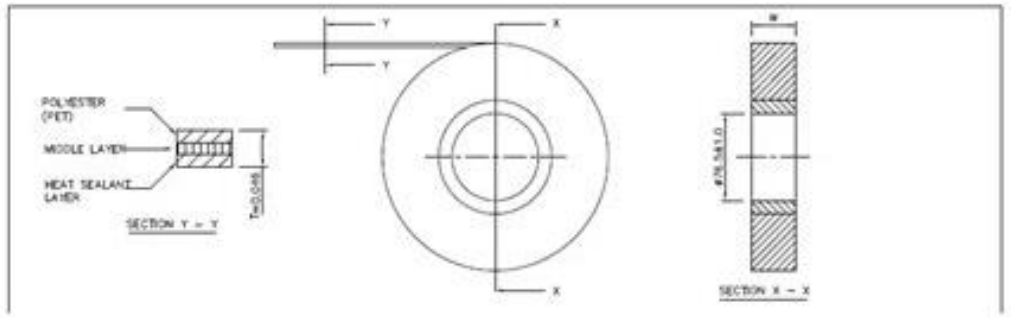
Item	Package codes	Package Type	Media	Description	NSEB	STAR	GAP
1	H4A	VDFN COL-4 (3.2x2.5x0.9mm)	T/R	Pin1 Orientation	Quadrant 1	Quadrant 1	No
2	H4A	VDFN COL-4 (3.2x2.5x0.9mm)	T/R	BQM	1,000 3,000	1,000 3,000	No

MICROCHIP

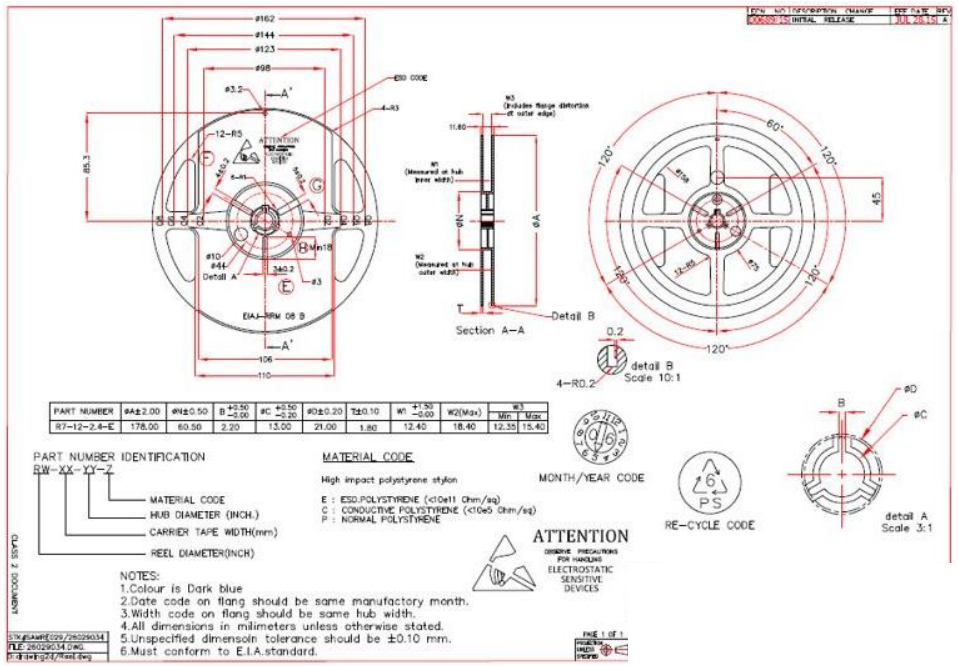
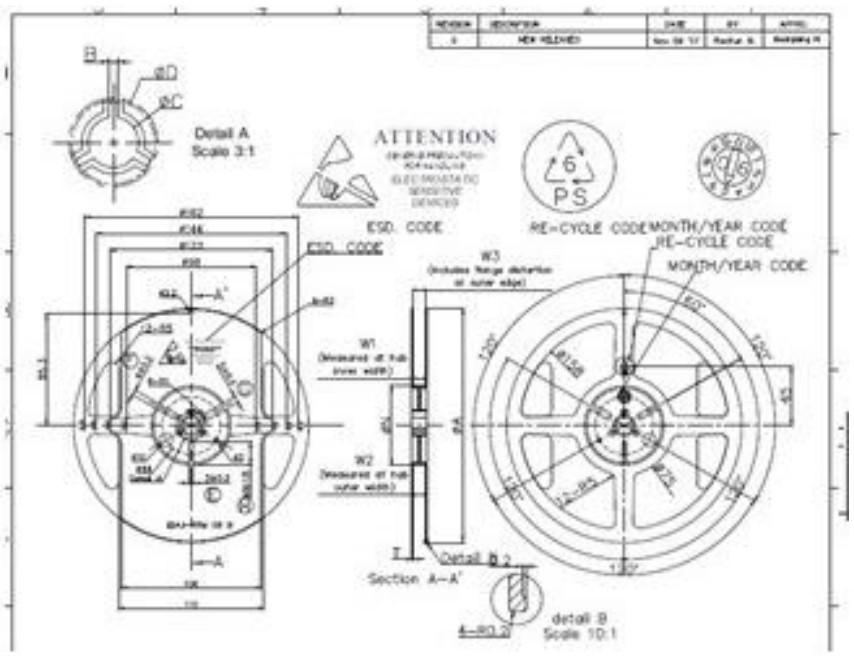
Change Summary –H4A Packing TR

Description	NSEB	STAR
Carrier Tape		

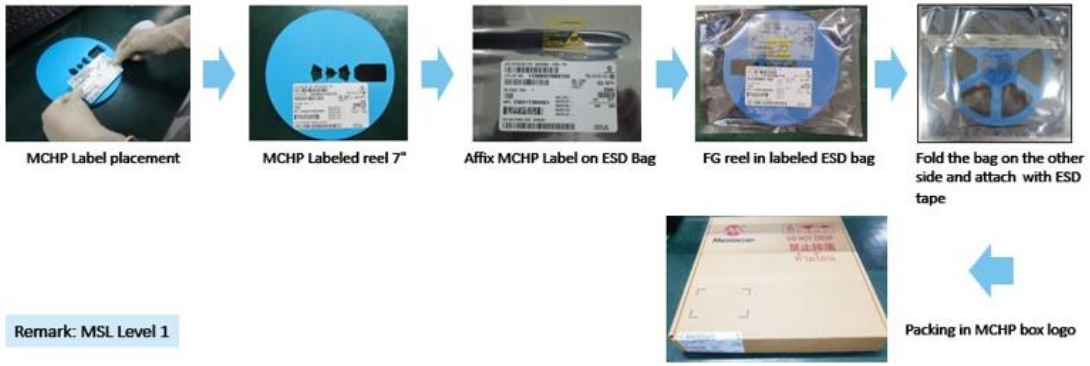
Change Summary –H4A Packing TR

Description	NSEB	STAR
Cover Tape		

Change Summary –H4A Packing TR

Description	NSEB	STAR
Plastic Reel		

Change Summary –H4A Packing TR

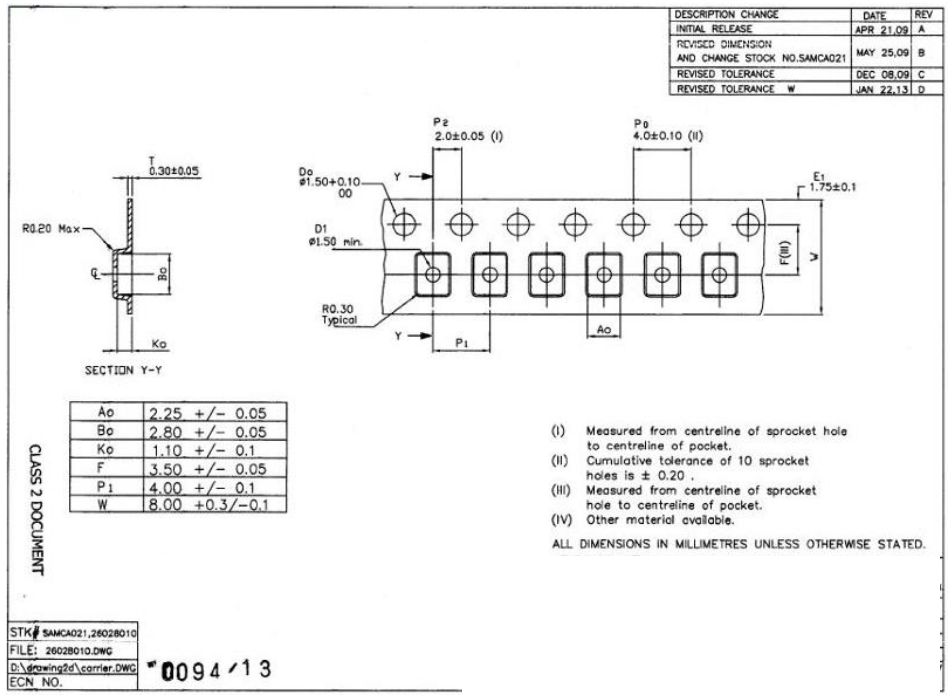
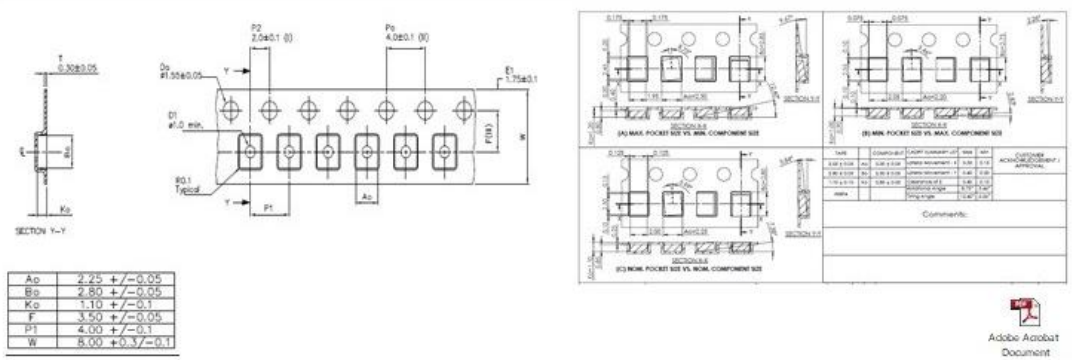
Description	NSEB	STAR
Packing Material/Method		

Change Summary –J5A Packing TR

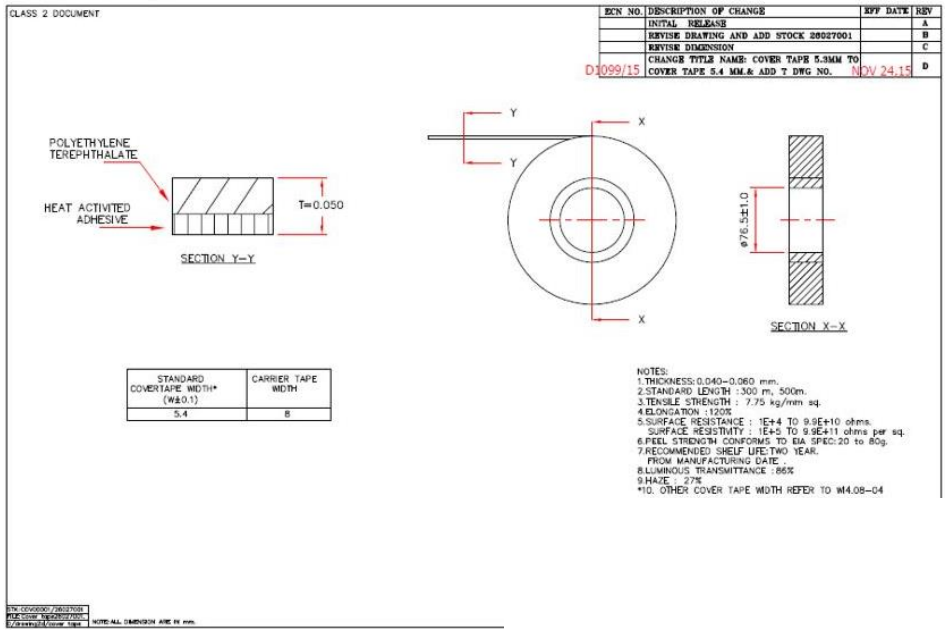
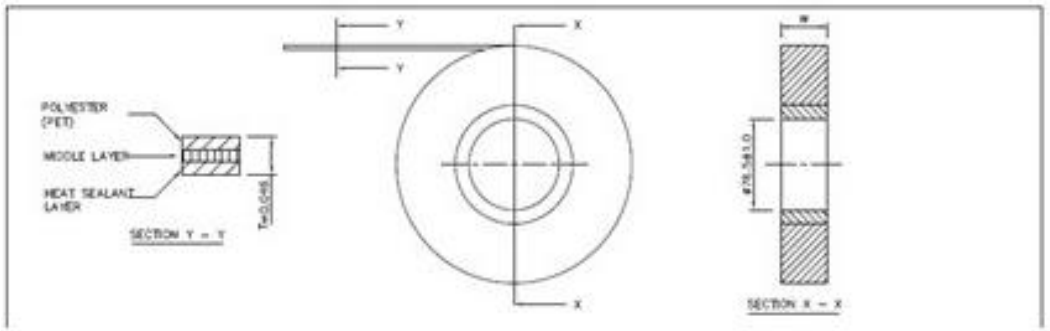
Item	Package codes	Package Type	Media	Description	NSEB	STAR	GAP
1	J5A	VDFN COL-4 (2.0x2.5mm)	T/R	Pin1 Orientation	Quadrant 1	Quadrant 1	No
2	J5A	VDFN COL-4 (2.0x2.5mm)	T/R	BQM	1,000 3,000 10,000	1,000 3,000 10,000	No

MICROCHIP

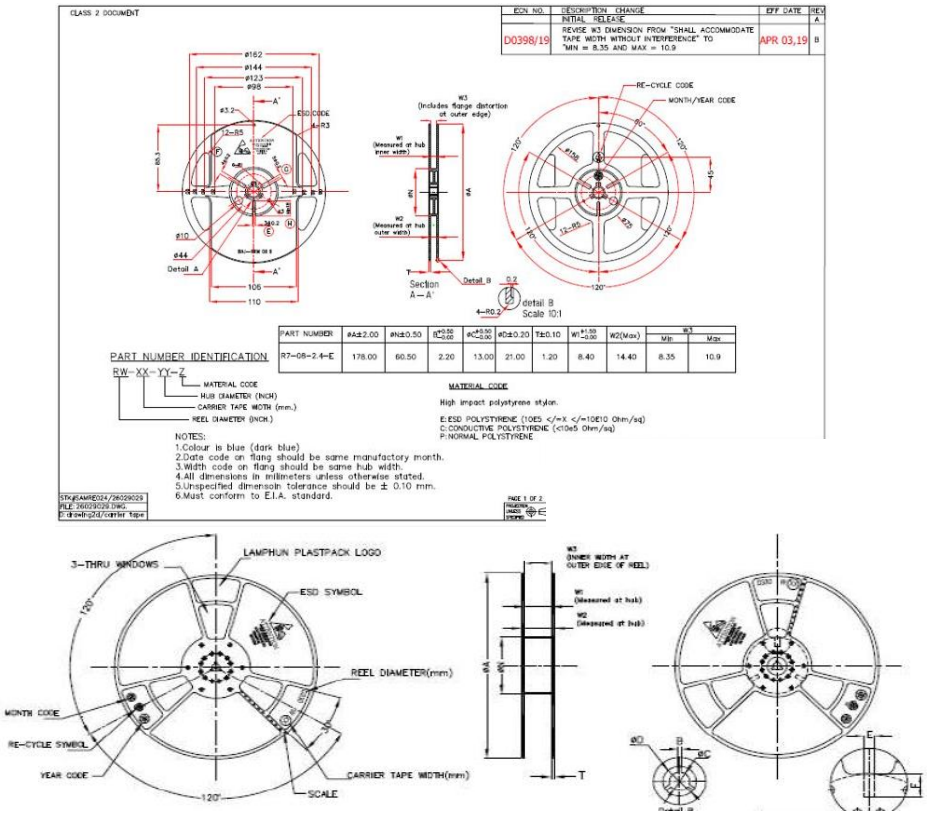
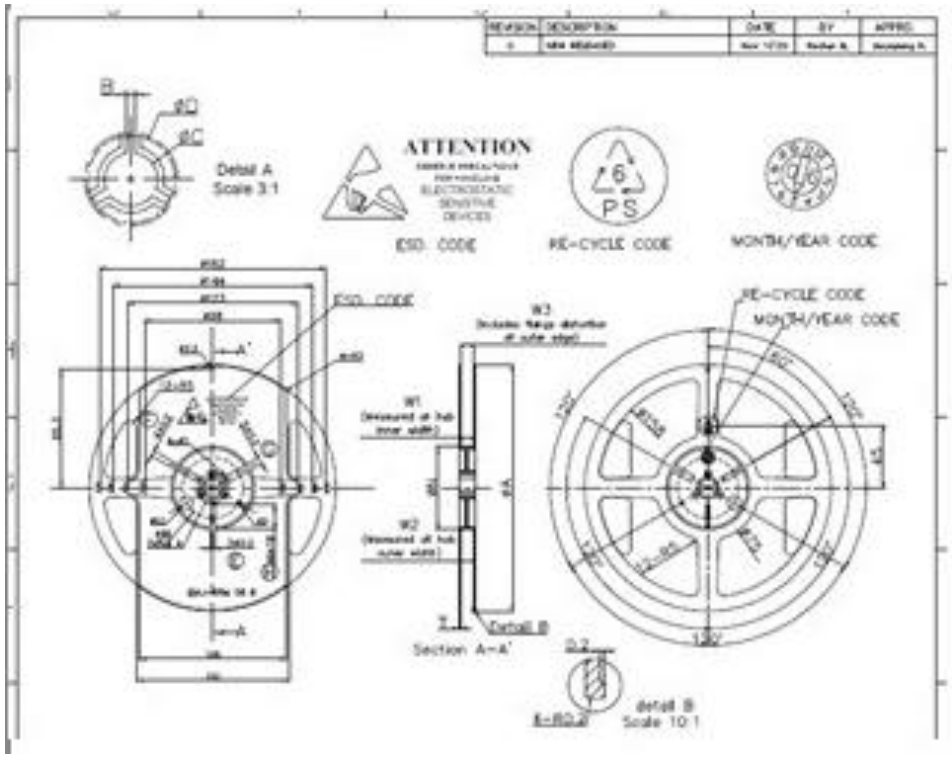
Change Summary –J5A Packing TR

Description	NSEB	STAR
Carrier Tape		

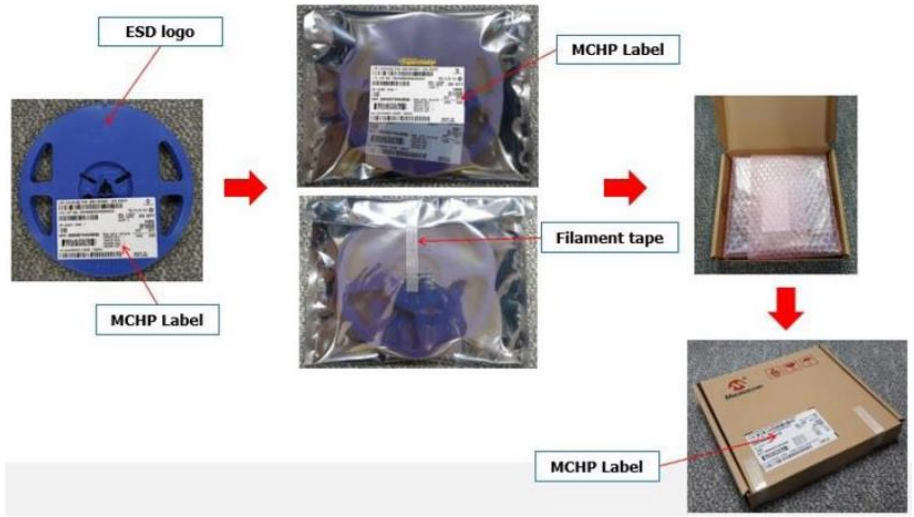
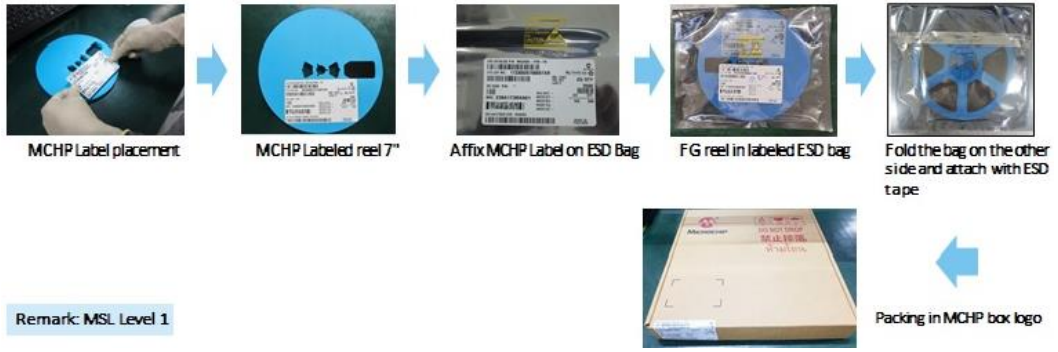
Change Summary –J5A Packing TR

Description	NSEB	STAR
Cover Tape		

Change Summary –J5A Packing TR

Description	NSEB	STAR
Plastic Reel		

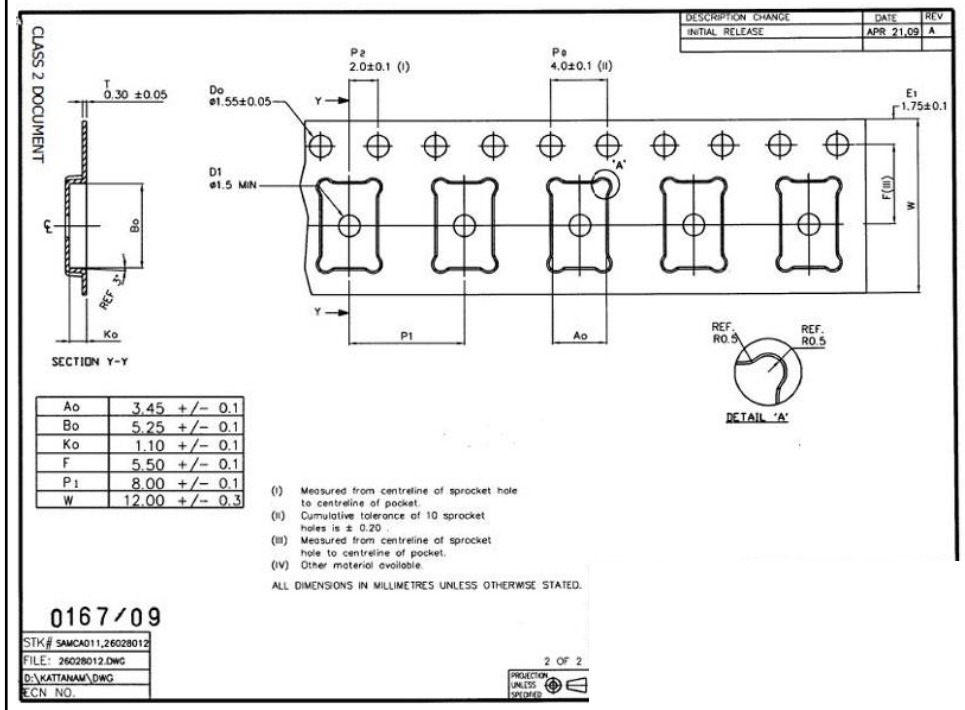
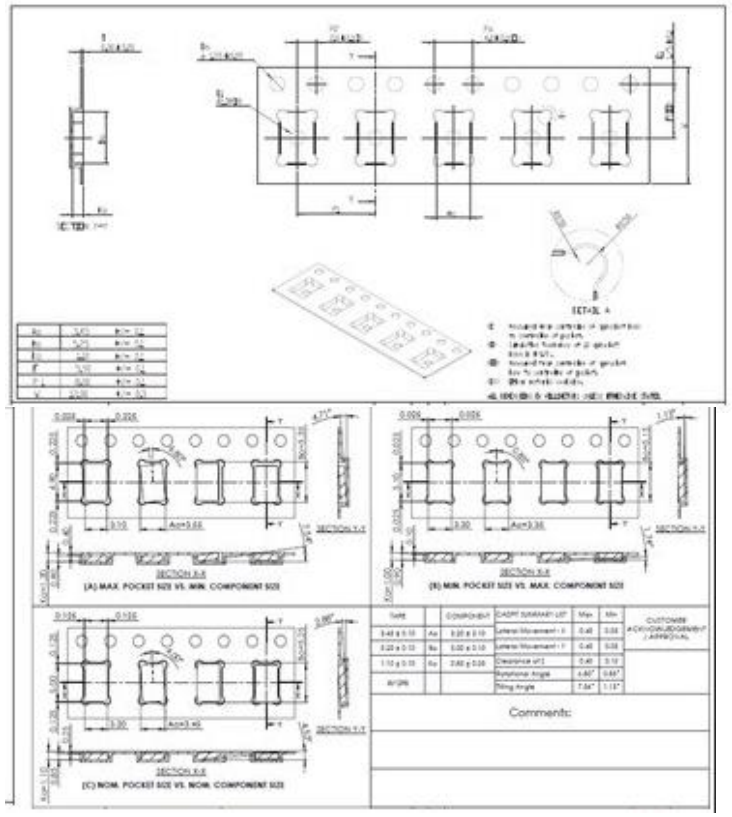
Change Summary –J5A Packing TR

Description	NSEB	STAR
Packing Material/Method		

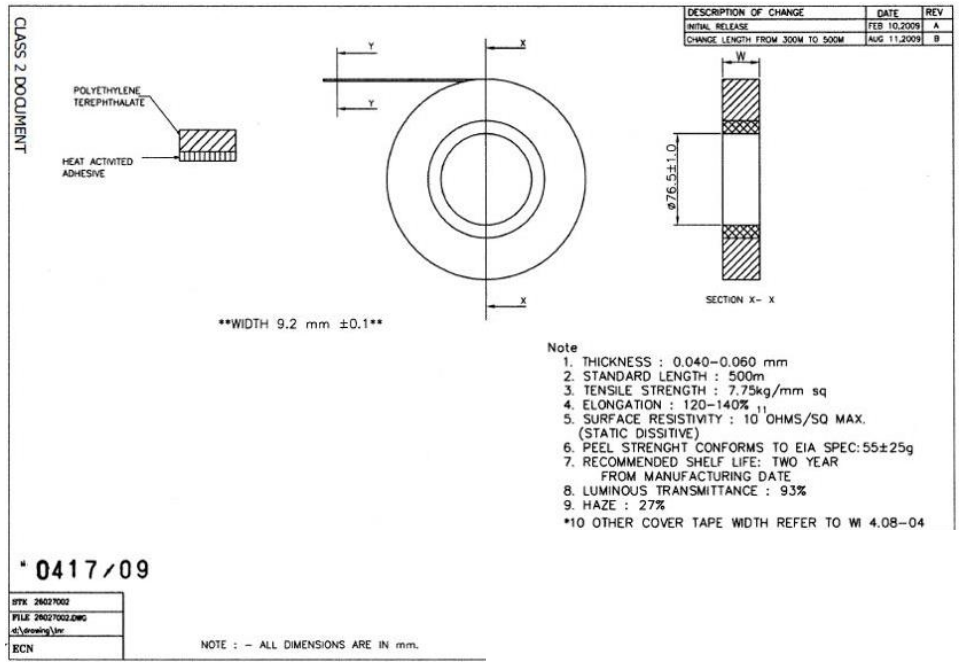
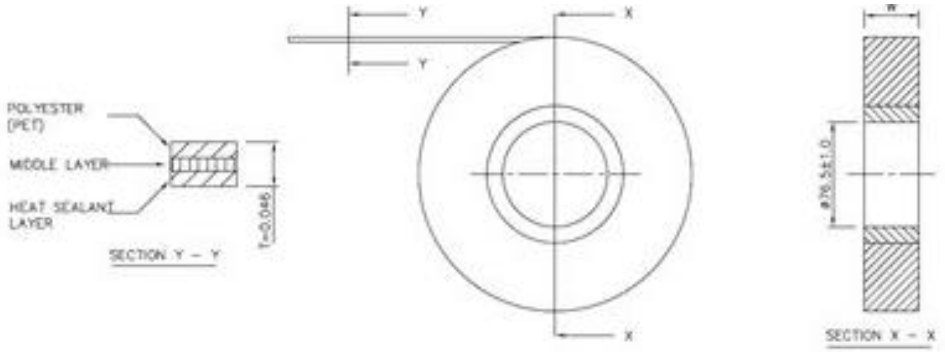
Change Summary –H6A Packing TR

Item	Package codes	Package Type	Media	Description	NSEB	STAR	GAP
1	H6A	VDFN COL-4 (3.2x5.0x0.9mm)	T/R	Pin1 Orientation	Quadrant 1	Quadrant 1	No
2	H6A	VDFN COL-4 (3.2x5.0x0.9mm)	T/R	BQM	1,000	1,000	No

Change Summary –H6A Packing TR

Description	NSEB	STAR
Carrier Tape		

Change Summary –H6A Packing TR

Description	NSEB	STAR
Cover Tape		

Please open attachment PCN_ASER-09RAOP971_Pre and Post Change Summary 2 of 2 for continued comparisons.

CCB 4928
Pre and Post Change Summary
2 of 2
PCN #: ASER-09RAOP971

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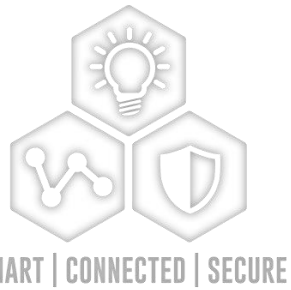
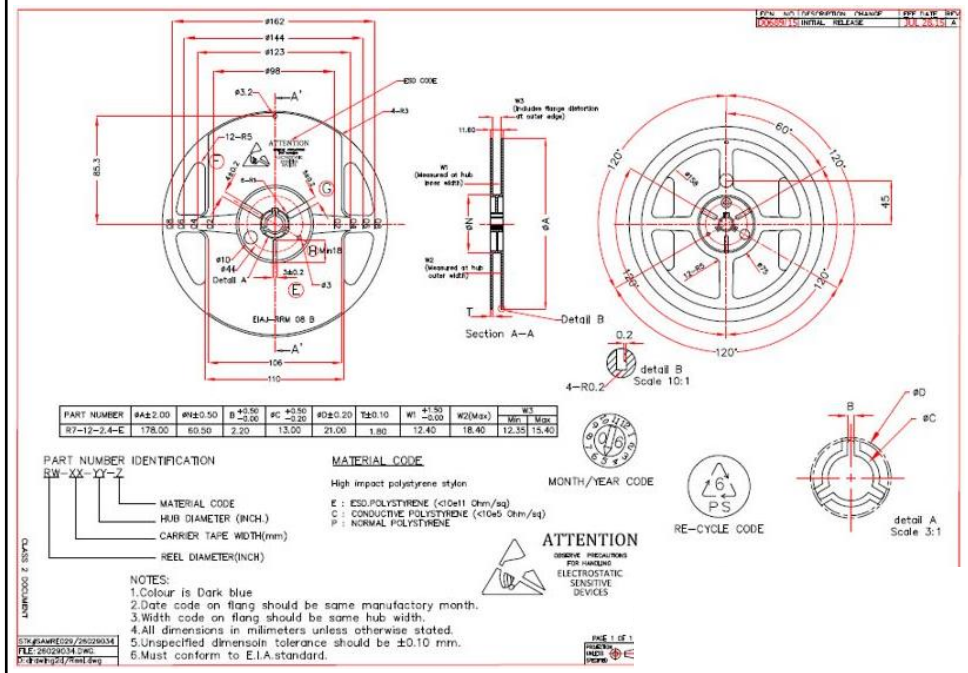
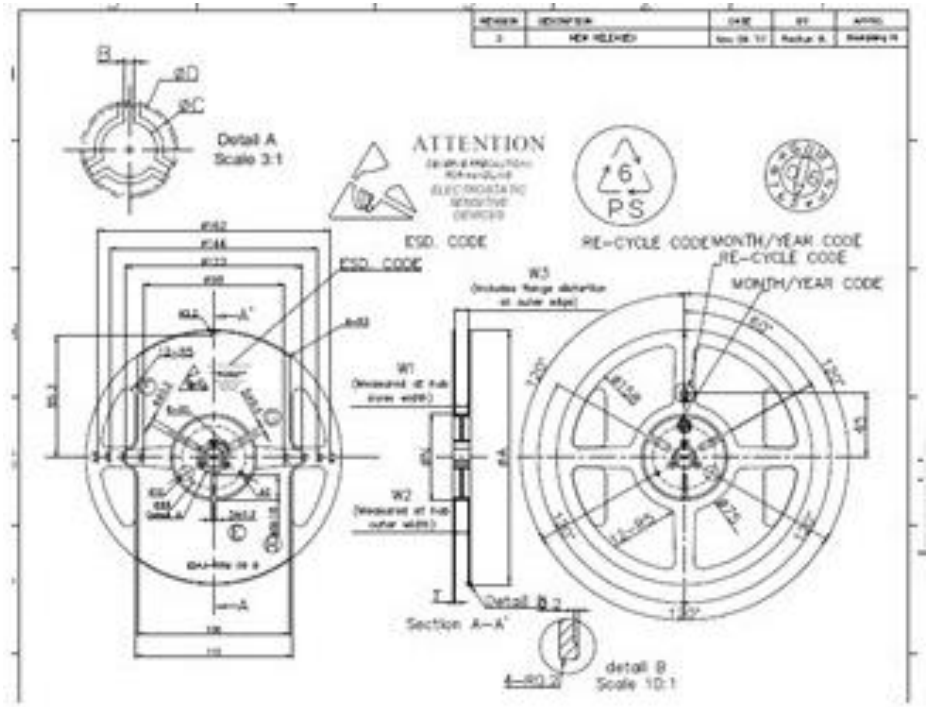
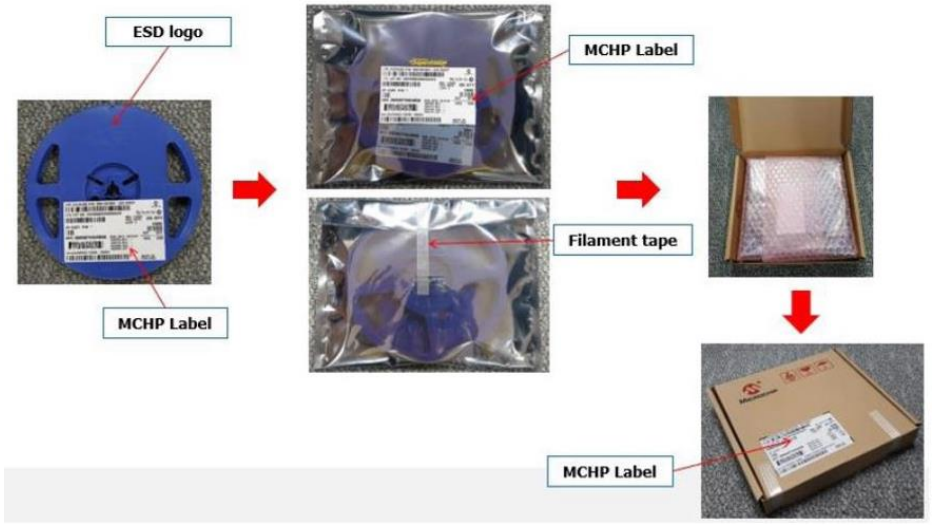


Change Summary –H6A Packing TR

Description	NSEB	STAR
Plastic Reel		

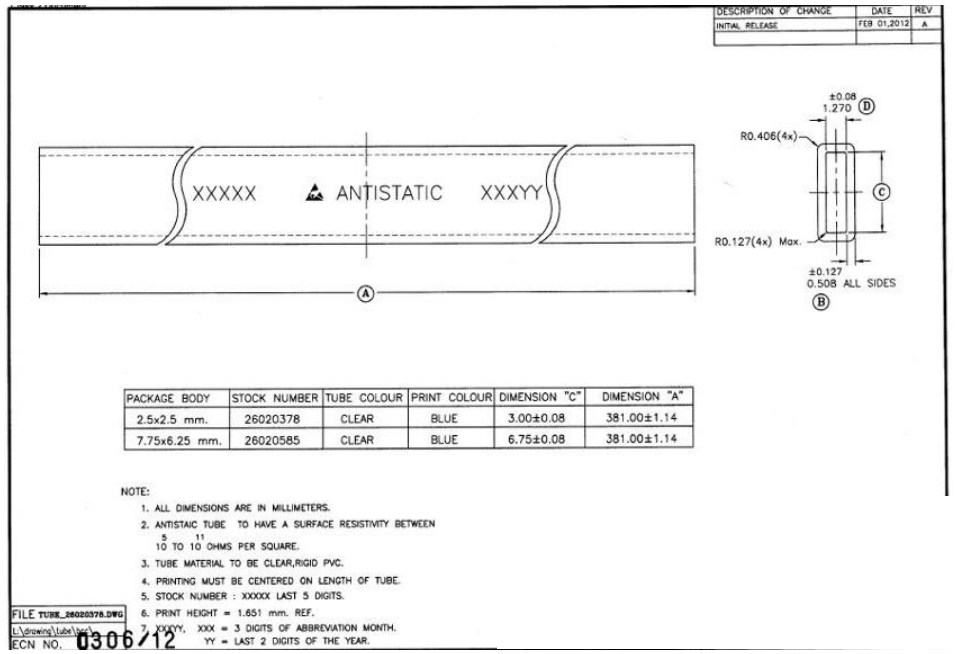
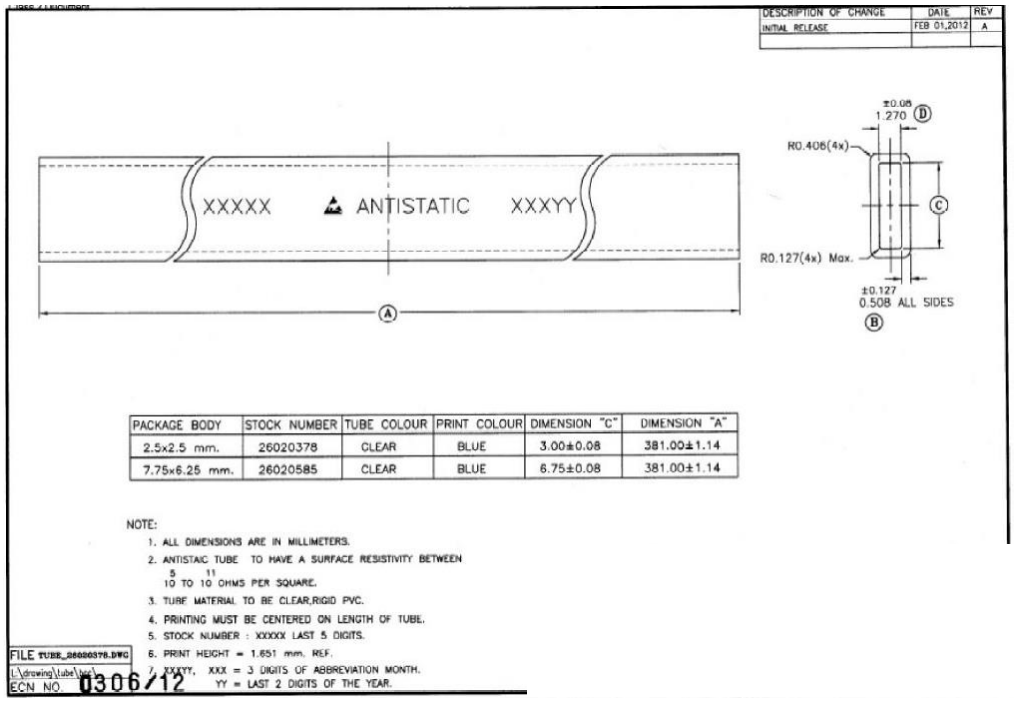
Change Summary –H6A Packing TR

Description	NSEB	STAR
Packing Material/Method		

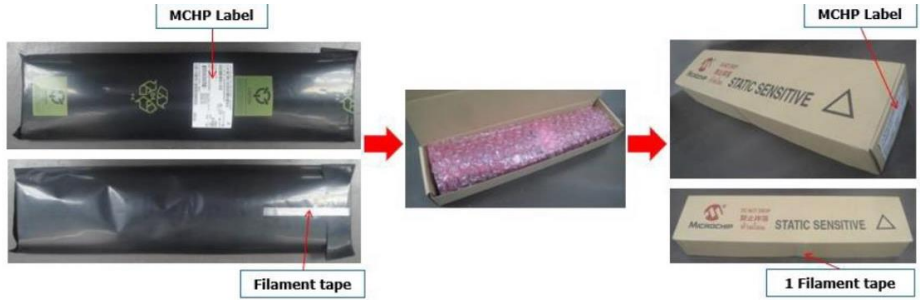
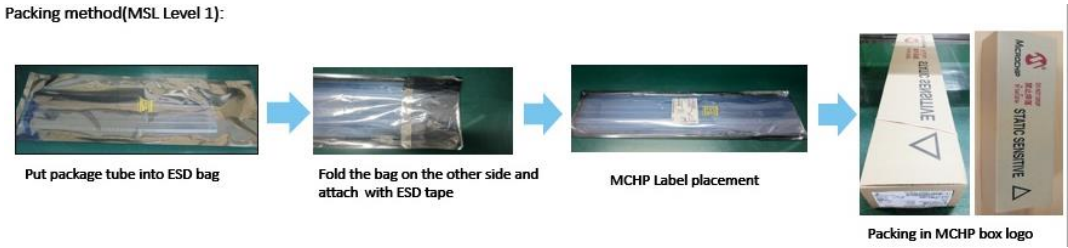
Change Summary –H4A Packing TUBE

Item	Package codes	Package Type	Media	Description	NSEB	STAR	GAP
1	H4A	VDFN COL-4 (3.2x2.5x0.9mm)	TUBE	Pin1 Orientation	Pin one of the units must be oriented towards the beginning of words on tube (eg.ANTISTATIC)	Pin one of the units must be oriented towards the beginning of words on tube (eg.ANTISTATIC)	No
2	H4A	VDFN COL-4 (3.2x2.5x0.9mm)	TUBE	BQM	110	110	No
3	H4A	VDFN COL-4 (3.2x2.5x0.9mm)	TUBE	Tube Color	Clear	Clear	No
5	H4A	VDFN COL-4 (3.2x2.5x0.9mm)	TUBE	PLUG COLOR	Plug pin one : GREY Opposite pin one : BLUE	Plug pin one : GREY Opposite pin one : BLUE	No

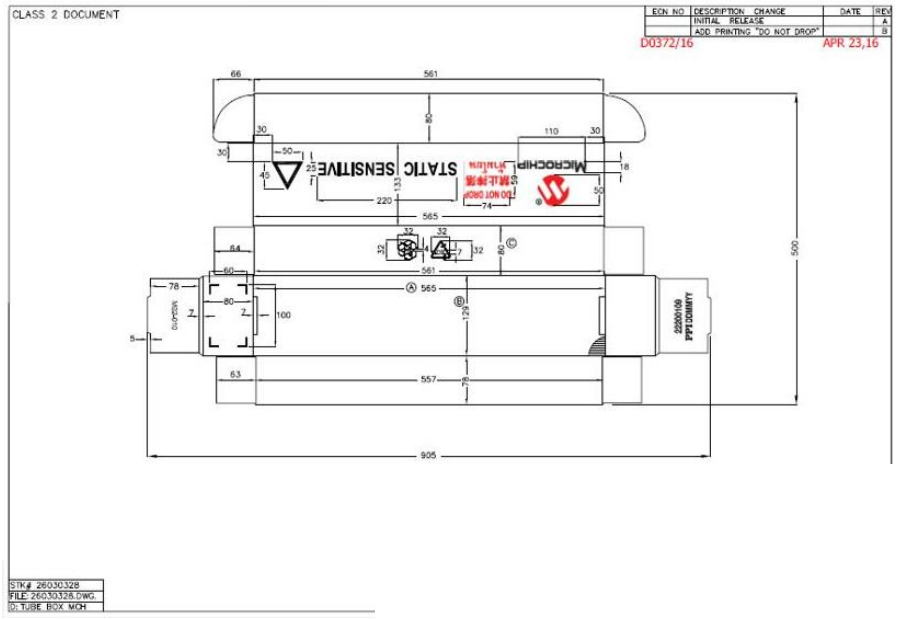
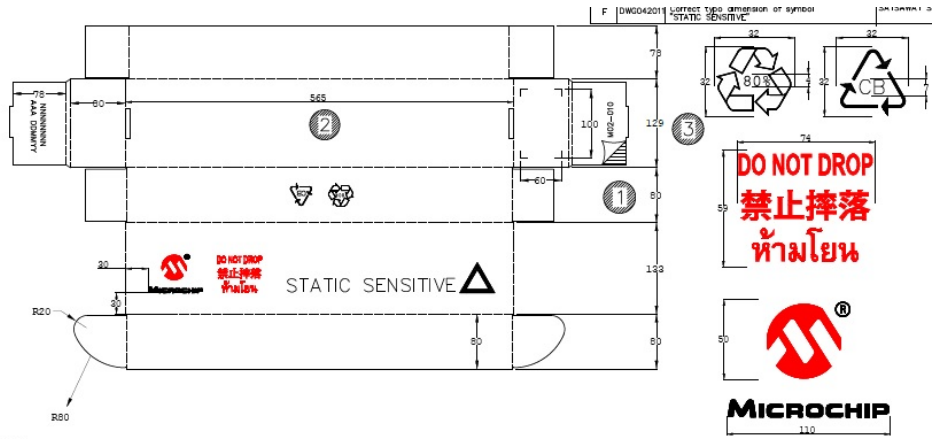
Change Summary –H4A Packing TUBE

Description	NSEB	STAR
Tube Dimension		

Change Summary –H4A Packing TUBE

Description	NSEB	STAR
Packing Material/Method		Packing method(MSL Level 1): 

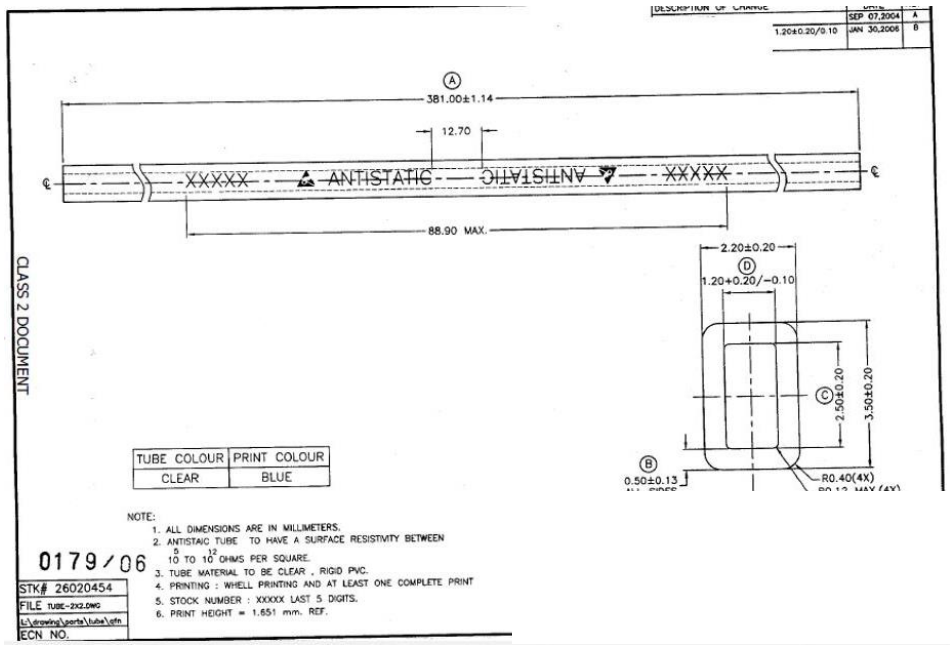
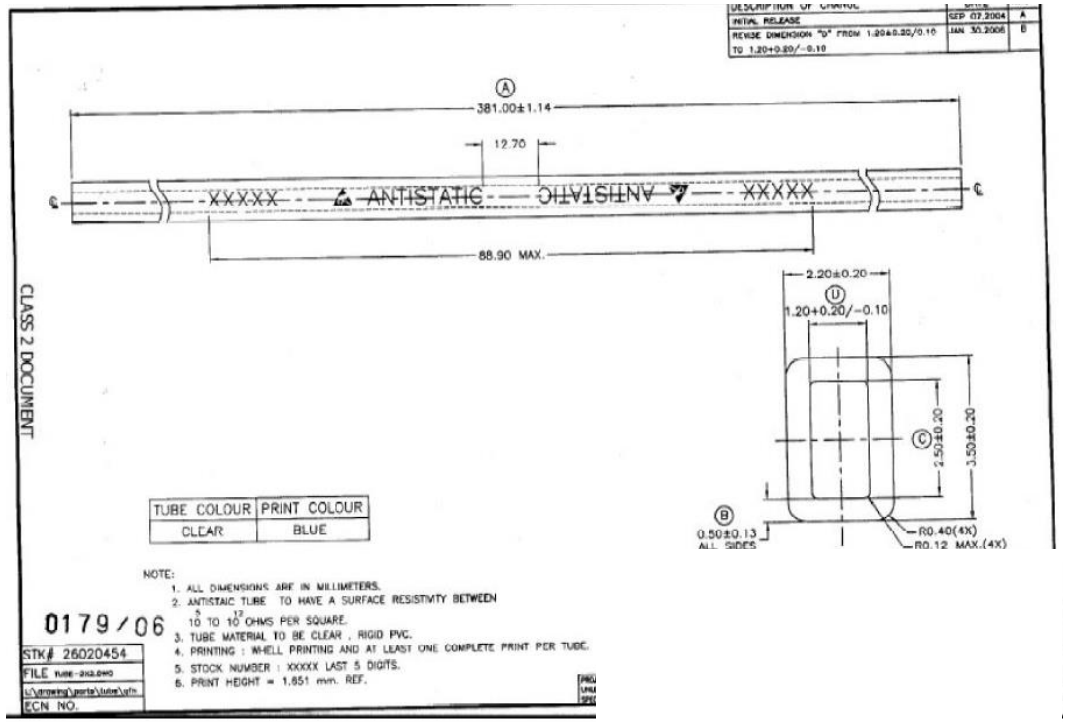
Change Summary –H4A Packing TUBE

Description	NSEB	STAR
Packing Material-Inner Box Size		

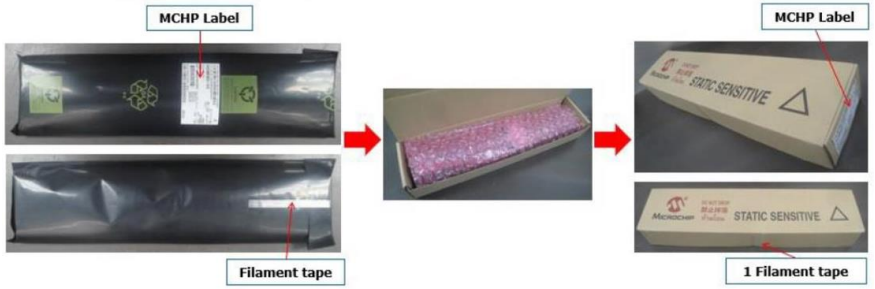
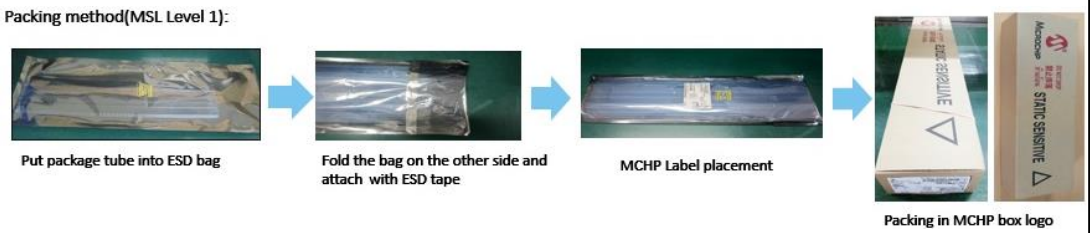
Change Summary –J5A Packing -TUBE

Item	Package codes	Package Type	Media	Description	NSEB	STAR	GAP
1	J5A	VDFN COL-4 (2.0x2.5mm)	TUBE	Pin1 Orientation	Pin one of the units must be oriented towards the beginning of words on tube (eg.ANTISTATIC)	Pin one of the units must be oriented towards the beginning of words on tube (eg.ANTISTATIC)	No
2	J5A	VDFN COL-4 (2.0x2.5mm)	TUBE	BQM	140	140	No
3	J5A	VDFN COL-4 (2.0x2.5mm)	TUBE	Tube Color	Clear	Clear	No
5	J5A	VDFN COL-4 (2.0x2.5mm)	TUBE	PLUG COLOR	Plug pin one : GREY Opposite pin one : BLUE	Plug pin one : GREY Opposite pin one : BLUE	No

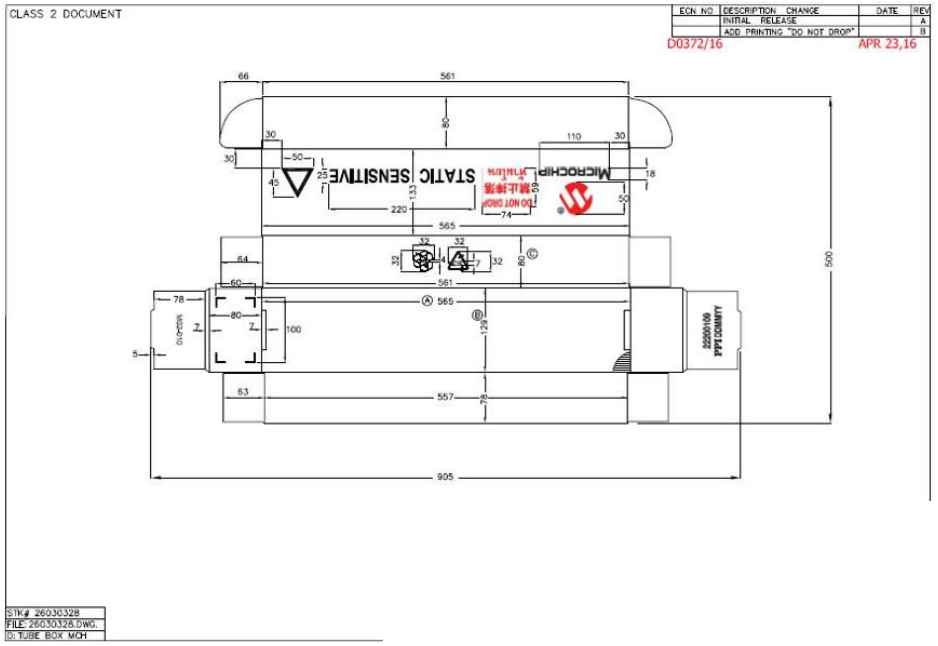
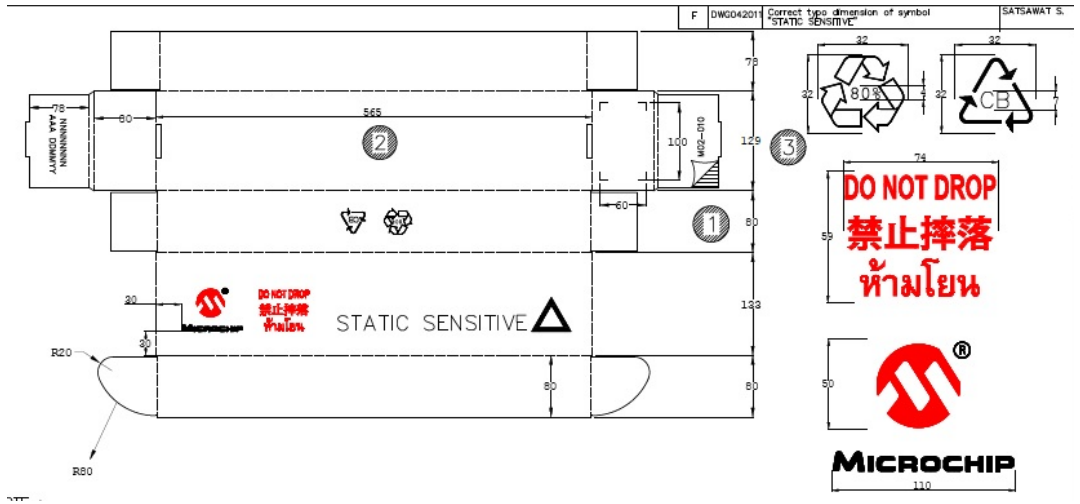
Change Summary –J5A Packing -TUBE

Description	NSEB	STAR
Tube Dimension		

Change Summary –J5A Packing -TUBE

Description	NSEB	STAR
Packing Material/Method		

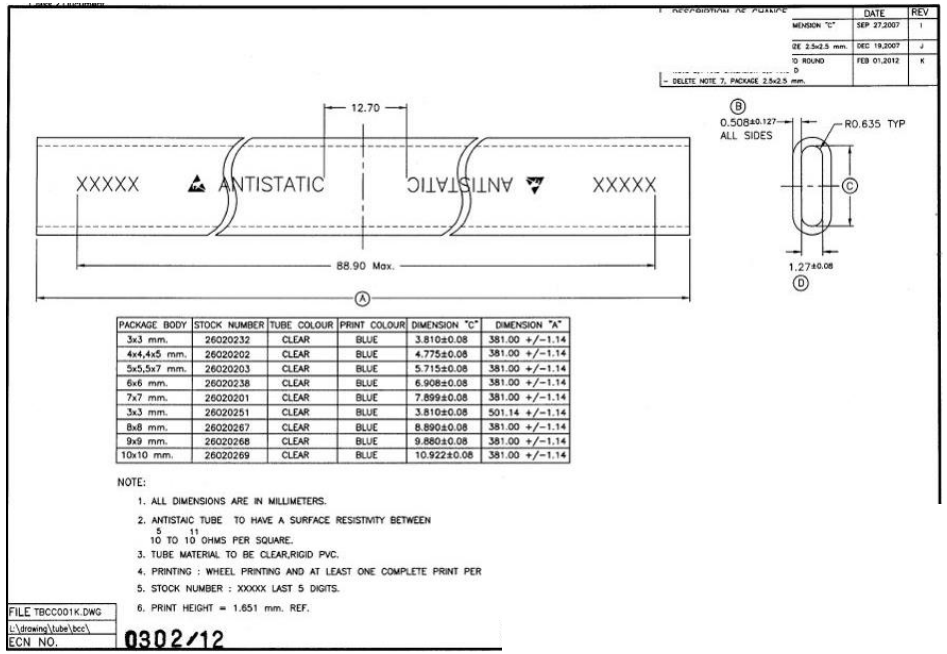
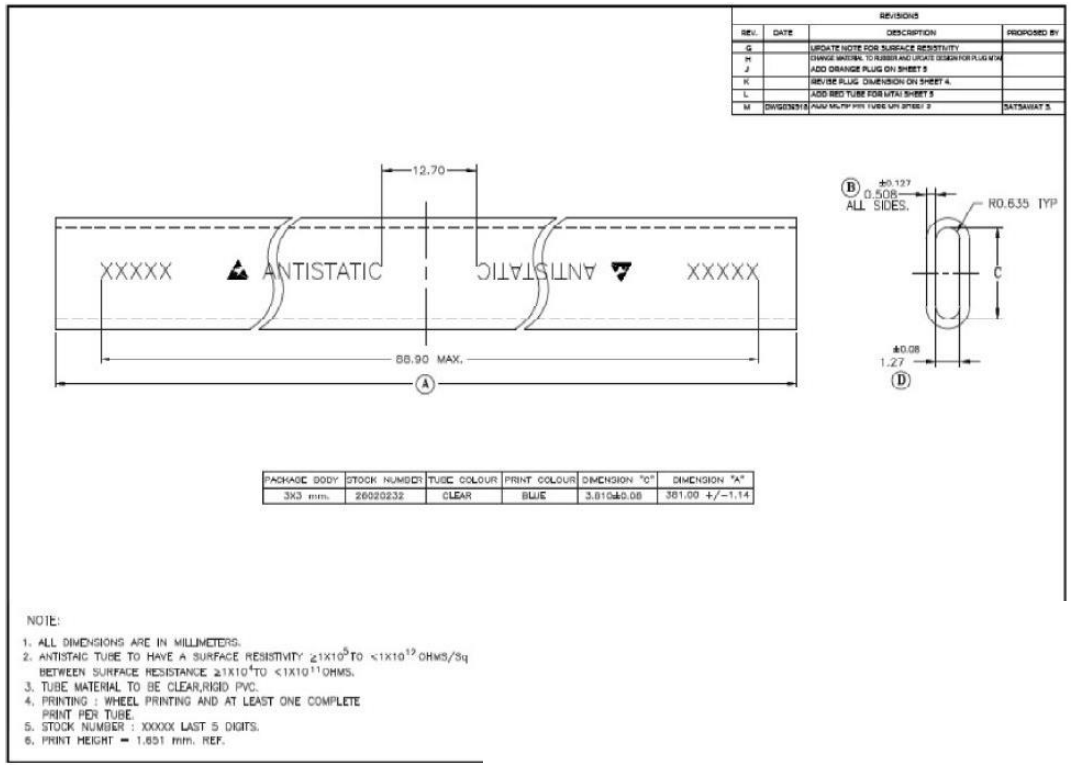
Change Summary –J5A Packing -TUBE

Description	NSEB	STAR
Packing Material-Inner Box Size		

Change Summary –H6A Packing TUBE

Item	Package codes	Package Type	Media	Description	NSEB	STAR	GAP
1	H6A	VDFN COL-4 (3.2x5.0x0.9mm)	TUBE	Pin1 Orientation	Pin one of the units must be oriented towards the beginning of words on tube (eg.ANTISTATIC)	Pin one of the units must be oriented towards the beginning of words on tube (eg.ANTISTATIC)	No
2	H6A	VDFN COL-4 (3.2x5.0x0.9mm)	TUBE	BQM	72	72	No
3	H6A	VDFN COL-4 (3.2x5.0x0.9mm)	TUBE	Tube Color	Clear	Clear	No
5	H6A	VDFN COL-4 (3.2x5.0x0.9mm)	TUBE	PLUG COLOR	Plug pin one : GREY Opposite pin one : BLUE	Plug pin one : GREY Opposite pin one : BLUE	No

Change Summary –H6A Packing TUBE

Description	NSEB	STAR
Tube Dimension		

PACKAGE BODY	STOCK NUMBER	TUBE COLOUR	PRINT COLOUR	DIMENSION "C"	DIMENSION "A"
3x3 mm.	26020232	CLEAR	BLUE	3.810±0.08	381.00 +/−1.14
4x4,4x5 mm.	26020202	CLEAR	BLUE	4.775±0.08	381.00 +/−1.14
5x5,5x7 mm.	26020203	CLEAR	BLUE	5.715±0.08	381.00 +/−1.14
6x6 mm.	26020238	CLEAR	BLUE	6.908±0.08	381.00 +/−1.14
7x7 mm.	26020201	CLEAR	BLUE	7.899±0.08	381.00 +/−1.14
3x3 mm.	26020251	CLEAR	BLUE	3.810±0.08	501.14 +/−1.14
8x8 mm.	26020267	CLEAR	BLUE	8.890±0.08	381.00 +/−1.14
9x9 mm.	26020268	CLEAR	BLUE	9.880±0.08	381.00 +/−1.14
10x10 mm.	26020269	CLEAR	BLUE	10.922±0.08	381.00 +/−1.14

NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ANTISTAIC TUBE TO HAVE A SURFACE RESISTIVITY BETWEEN 10^{5} TO 10^{11} OHMS PER SQUARE.
3. TUBE MATERIAL TO BE CLEAR,RIGID PVC.
4. PRINTING : WHEEL PRINTING AND AT LEAST ONE COMPLETE PRINT PER
5. STOCK NUMBER : XXXXX LAST 5 DIGITS.
6. PRINT HEIGHT = 1.651 mm. REF.

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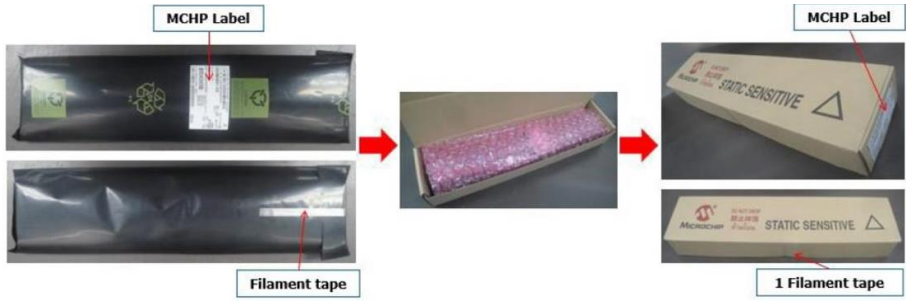
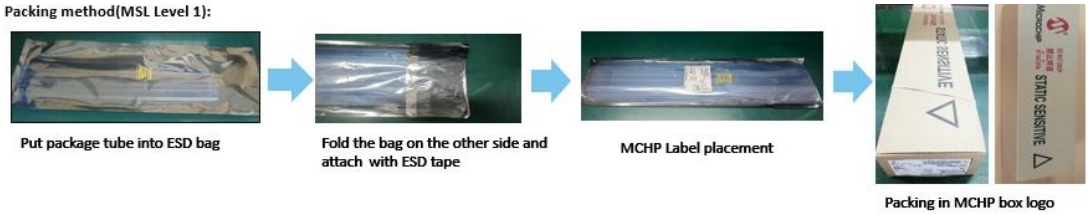
PACKAGE BODY	STOCK NUMBER	TUBE COLOUR	PRINT COLOUR	DIMENSION "C"	DIMENSION "A"
3X3 mm.	26020232	CLEAR	BLUE	3.810±0.08	381.00 +/−1.14

NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. ANTISTAIC TUBE TO HAVE A SURFACE RESISTIVITY $\geq 1X10^{5}$ TO $\leq 1X10^{12}$ OHMS/Sq BETWEEN SURFACE RESISTANCE $\geq 1X10^{4}$ TO $\leq 1X10^{11}$ OHMS.
3. TUBE MATERIAL TO BE CLEAR,RIGID PVC.
4. PRINTING : WHEEL PRINTING AND AT LEAST ONE COMPLETE PRINT PER TUBE.
5. STOCK NUMBER : XXXXX LAST 5 DIGITS.
6. PRINT HEIGHT = 1.651 mm. REF.

Change Summary –H6A Packing TUBE

Description	NSEB	STAR
Packing Material/Method		

Change Summary –H6A Packing TUBE

Description	NSEB	STAR
Packing Material-Inner Box Size