

Product Change Notification / RMES-15BFRM526

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03-May-2023

Product Category:

Wireless IC

PCN Type:

Manufacturing Change

Notification Subject:

CCB 6068 Final Notice: Qualification of STAR as an additional final test site for MICRF219AAYQS, MICRF219AYQS, MICRF219AAYQS-TR, MICRF219AYQS-TR, MICRF220AYQS-TR, and SPN111001Y-TR catalog part numbers (CPN) available in 16L QSOP (.150in) package.

Affected CPNs:

RMES-15BFRM526_Affected_CPN_05032023.pdf RMES-15BFRM526_Affected_CPN_05032023.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 MICRF219AAYQS, MICRF219AYQS, MICRF219AAYQS-TR, MICRF219AYQS-TR, MICRF220AYQS-TR, and SPN111001Y-TR catalog part numbers (CPN) available in 16L QSOP (.150in) package.

Pre and Post Change Summary:

	Pre Change	Pos	t Change			
	Unisem (M) Berhad Perak,	Unisem (M) Berhad Perak,	Stars Microelectronics (Thailand) Public			
Final Test Site	Malaysia	Malaysia	Company Limited			
	(UNIS)	(UNIS)	(STAR)			
Reel BQM	2500	2500	2500			
Reel Pin 1 Orientation	Quadrant 1	Quadrant 1	Quadrant 1			
Carrier Tape	No change. See pre and post change for comparison.					
Cover Tape	Minor dimensi	Minor dimension changes. See pre and post change for comparison.				
Sealing Methodology	Heat	Heat	Heat			
Plastic Reel	No dimension chan	ges. See pre and pos	st change for comparison.			
Tube BQM	98	98	98			
Tubo Din 1 Orientation	Pin 1 toward	Pin 1 toward	Pin 1 toward gray			
Tube Pin 1 Orientation	white stopper	white stopper	stopper			
	See pre	and post change for	comparison.			
Tube Color	Clear Tube	Clear Tube	Clear Tube			
Tape and Reel / Tube						
Packing Method	see pre	and post change for comparison.				

Impacts to Data Sheet:None

Change Impact:None

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

Change Implementation Status:In Progress

Estimated First Ship Date:June 05, 2023 (date code: 2323)

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

Time Table Summary:

		March 2023			>	May 2023			3	June 2023					
Workweek	0	1	1	1	1		1	1	2	2	2	2	2	2	2

	9	0	1	2	3	8	9	0	1	2	3	4	5	6
Initial PCN Issue Date			Х											
Qual Report Availability						Х								
Final PCN Issue Date						Х								
Estimated Implementation Date											Х			

Method to Identify Change:Traceability code

Qualification Report:Please open the attachments included with this PCN labeled as PCN_#_Qual_Report.

Revision History: March 16, 2023: Issued initial notification.

May 03, 2023: Issued final notification. Attached the Qualification Report. Provided estimated first ship date to be on June 05, 2023.

The change described in this PCN does not alter Microchip's current regulatory compliance regarding the material content of the applicable products.

Attachments:

PCN_RMES-15BFRM526_Pre_and_Post_Change__Summary.pdf PCN_RMES-15BFRM526_Qual_Report.pdf

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

Terms and Conditions:

If you wish to <u>receive Microchip PCNs via email</u> please register for our PCN email service at our <u>PCN</u> home page select register then fill in the required fields. You will find instructions about registering for Microchips PCN email service in the <u>PCN FAQ</u> section.

If you wish to <u>change your PCN profile</u>, <u>including opt out</u>, please go to the <u>PCN home page</u> select login and sign into your myMicrochip account. Select a profile option from the left navigation bar and make the applicable selections.

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Affected Catalog Part Numbers (CPN)

MICRF219AAYQS MICRF219AYQS MICRF220AYQS MICRF219AAYQS-TR MICRF219AYQS-TR MICRF220AYQS-TR

SPN111001Y-TR

Date: Tuesday, May 02, 2023



QUALIFICATION REPORT SUMMARY

PCN #: RMES-15BFRM526

Date April 21, 2023

Qualification of STAR as an additional final test site for MICRF219AAYQS, MICRF219AYQS, MICRF220AYQS, MICRF219AAYQS-TR, MICRF219AYQS-TR, MICRF220AYQS-TR, and SPN111001Y-TR catalog part numbers (CPN) available in 16L QSOP (.150in) package.

Purpose: Qualification of STAR as an additional final test site for MICRF219AAYQS,

MICRF219AYQS, MICRF220AYQS, MICRF219AAYQS-TR, MICRF219AYQS-TR, MICRF220AYQS-TR, and SPN111001Y-TR catalog part numbers (CPN) available

in 16L QSOP (.150in) package.

CCB No.: 6068

Test Name	Test Conditions	Sample Size	Qty of Lots	Fail/Accept Criteria	Results
Bin and Yield Comparison	Test the same units at existing and destination locations and compare BIN and Yield data.	3000	1	≤0.1%	PASSED
Parametric / Characterization Comparison	Characterize the same units at existing and destination locations and compare data.	33	1	≤10%	PASSED
Test flow	Final Test Room 100% -> QA Sample Room.	3000	1	1% LTPD	PASSED

CCB 6068 Pre and Post Change Summary PCN #: RMES-15BFRM526



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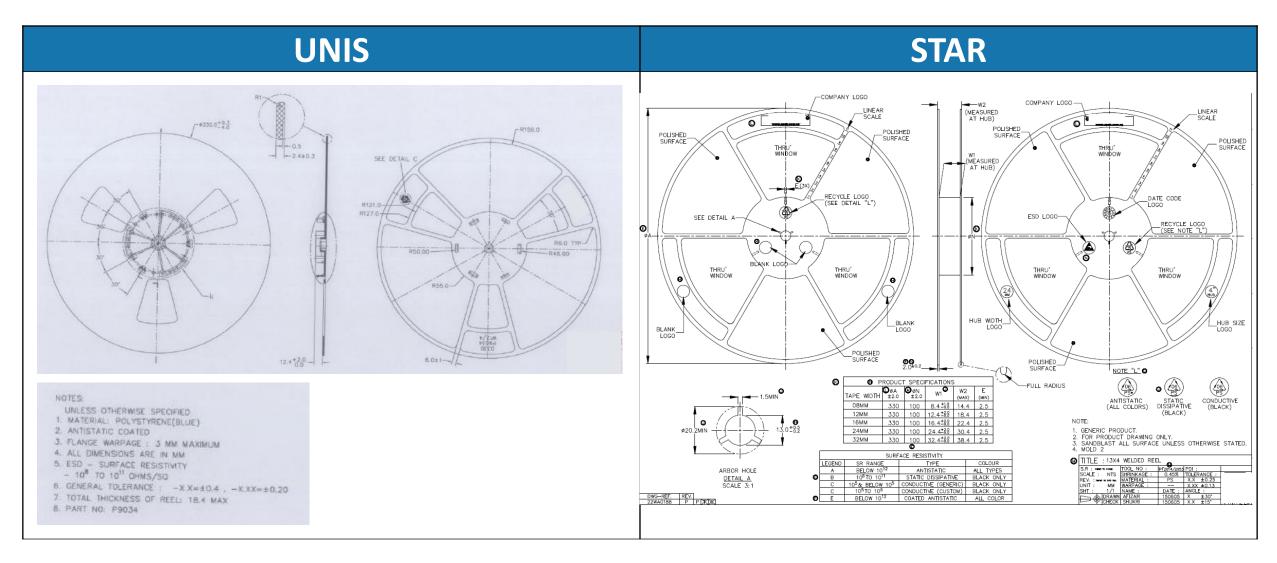


Pre and Post Change – Tape and Reel

	UNIS	STAR
BQM (Base Quantity Multiple)	2500 per reel	2500 per reel
Pin 1 orientation		
	Quadrant 1	Quadrant 1



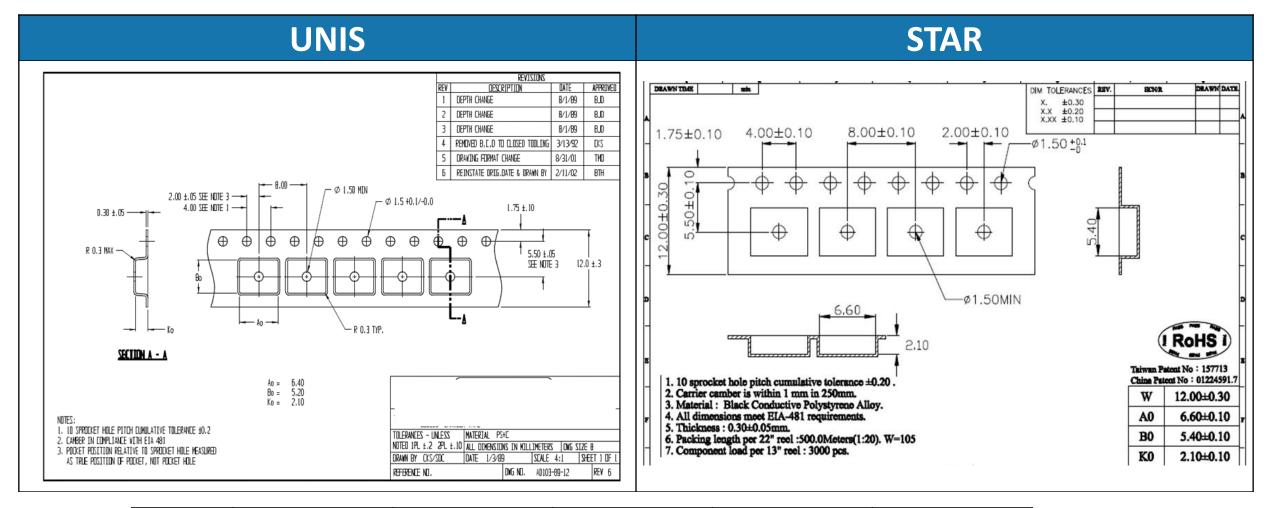
Pre and Post Change – Plastic Reel



Note: No change in dimension and appearance.



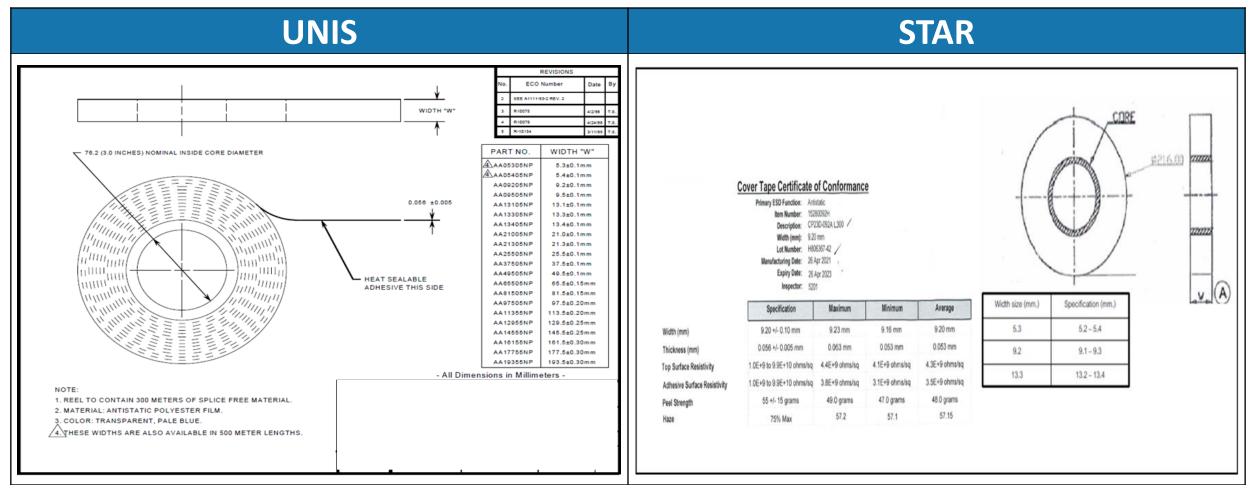
Pre and Post Change – Carrier Tape



Plant	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
UNIS	12	8	6.40	5.20	2.10
STAR	12	8	6.60	5.40	2.10



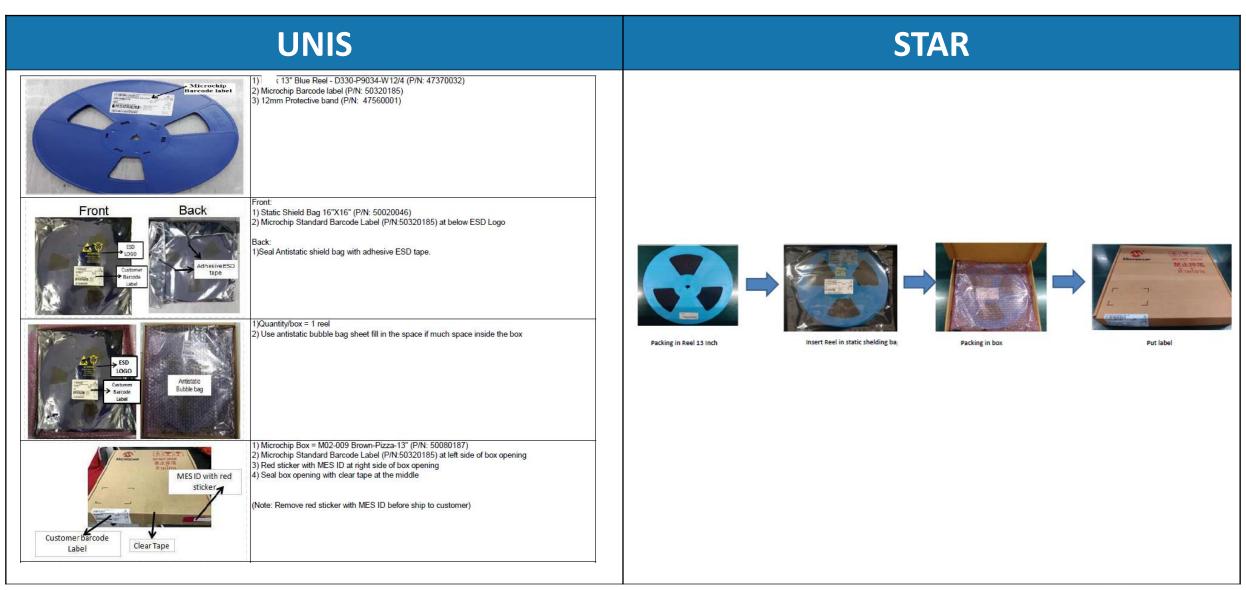
Pre and Post Change – Cover Tape



Plant	Carrier Tape Width	Cover Tape Width	Thickness	Color	Sealing mythology
UNIS	16mm	13.3 +/-0.1mm	0.056+/-0.005	Clear	Heat sealing
STAR	16mm	13.3 +/-0.2mm	0.050+/-0.005	Clear	Heat sealing



Pre and Post Change – Tape and Reel Packing Method





Pre and Post Change – Tube

	UNIS	STAR			
BQM (Base Quantity Multiple)	98 units	98 units			
Pin 1 orientation	White stopper White stopper White stopper White stopper White stopper White stopper Partial Tube Partial Tube	Pin 1 toward grey stopper Full Tube			
Tube Color	Clear tube	Clear tube			
Plug Color	Full Tube: White – Black Partial Tube: White – Yellow	Grey-Grey			



Pre and Post Change – Tube Packing Method

