

Product Change Notice (PCN)

Subject: Change of assembly and test sites for Renesas EEPROM TSSOP Halogen-Free products

Publication Date: 7/27/2022

Effective Date: 12/01/2022

Revision Description:

Initial Release

Description of Change:

Regarding assembly and test sites for Renesas EEPROM 8pin-TSSOP Halogen-Free products, we change from Amkor Technology Philippines, Inc. (hereinafter referred as ATP) to MTEX(VIETNAM) CO.,LTD. (hereinafter referred as MVC).

The assembly material of MVC products are MVC's standard material. Regarding Comparison outlines between ATP products and MVC products, please refer to the attachment (Appendix for 22-0007A).

Affected Product List:

R1EX24002ATAS0I#U0	R1EX24016ATAS0I#U0	R1EX24032ATAS0I#U0	R1EX25512ATA00I#U0
--------------------	--------------------	--------------------	--------------------

Reason for Change:

ATP notified us of the production withdrawal of TSSOP.

Impact on Fit, Form, Function, Quality & Reliability:

No impact

Product Identification:

Identifiable by the letters marked on the package.

Please refer to the attachment (Appendix for 22-0007A).

Qualification Status: Available upon request

Sample Availability Date: 11/01/2022

Device Material Declaration: Available upon request

Note:

1. Acknowledgement must be received by Renesas within 30 days or Renesas will consider the change as approved.
2. If timely acknowledgement is provided by Customer, then Customer shall have 90 days from the date of receipt of this PCN to make any objections to this PCN. If Customer fails to make objections to this PCN within 90 days of the receipt of the PCN then Renesas will consider the PCN changes as approved.
3. If customer cannot accept the PCN then customer must provide Renesas with a last time buy demand and purchase order.

For additional information regarding this notice, please contact your Renesas sales representative.

To: Valued Renesas Customer

Renesas Electronics Corporation
IoT and Infrastructure Business Unit,
Industrial Analog Division,
Standard Products

Rev. 1.0 : July 27, 2022

Appendix for 22-0007A

This appendix states the detailed information of PCN: 22-0007A;

Change of assembly site and Final test site for Renesas EEPROM TSSOP Halogen-Free products.

In this document, we abbreviate the Pre-change assembly / final test site:

“Amkor Technology Philippines, Inc.” as “ATP”

and Post-change assembly / final test site: “MTEX(VIETNAM) CO.,LTD.” as “MVC”.

目次

1. Product list	p.2
2. Comparison table	p.2
3. Packing specification	pp.3-5
4. Shipping label	p.6
5. Revision history	p.7

1. Product List

Package Type	Interface	Density	Page Size	Orderable Part Name		Packing Type
				Pre Change (ATP product)	Post Change (MVC product)	
8pin-TSSOP	I ² C	2Kb	16Byte	R1EX24002ATAS0I#U0	←	Tape & Reel
		16Kb	16Byte	R1EX24016ATAS0I#U0	←	
		32Kb	32Byte	R1EX24032ATAS0I#U0	←	
	SPI	512Kb	128Byte	R1EX25512ATA00I#U0	←	

2. Comparison table

Item		Pre Change (ATP)	Post Change (MVC)																				
Orderable part name		R1EX24002ATAS0I#U0	←																				
		R1EX24016ATAS0I#U0	←																				
		R1EX24032ATAS0I#U0	←																				
		R1EX25512ATA00I#U0	←																				
Assembly site		Amkor Technology Philippines, Inc. (Philippines)	MTEX(VIETNAM) CO.,LTD. (Vietnam)																				
JEITA Package Code		P-TSSOP8-4.4x3-0.65	←																				
Package marking specification		X X X X D * * * # # Press Mark → Mark code (4 digits) → Week code (3 digits) → Control code (2 digits) <table><tr><td>Orderable part name</td><td>Mark Code</td></tr><tr><td>R1EX24002ATAS0I#U0</td><td>402T</td></tr><tr><td>R1EX24016ATAS0I#U0</td><td>416T</td></tr><tr><td>R1EX24032ATAS0I#U0</td><td>432T</td></tr><tr><td>R1EX25512ATAS0I#U0</td><td>512R</td></tr></table> X X X X 5 * * * # # Laser Mark → Mark code (4 digits) → Week code (3 digits) → Control code (2 digits) <table><tr><td>Orderable part name</td><td>Mark Code</td></tr><tr><td>R1EX24002ATAS0I#U0</td><td>402T</td></tr><tr><td>R1EX24016ATAS0I#U0</td><td>416T</td></tr><tr><td>R1EX24032ATAS0I#U0</td><td>432T</td></tr><tr><td>R1EX25512ATAS0I#U0</td><td>512R</td></tr></table>	Orderable part name	Mark Code	R1EX24002ATAS0I#U0	402T	R1EX24016ATAS0I#U0	416T	R1EX24032ATAS0I#U0	432T	R1EX25512ATAS0I#U0	512R	Orderable part name	Mark Code	R1EX24002ATAS0I#U0	402T	R1EX24016ATAS0I#U0	416T	R1EX24032ATAS0I#U0	432T	R1EX25512ATAS0I#U0	512R	
Orderable part name	Mark Code																						
R1EX24002ATAS0I#U0	402T																						
R1EX24016ATAS0I#U0	416T																						
R1EX24032ATAS0I#U0	432T																						
R1EX25512ATAS0I#U0	512R																						
Orderable part name	Mark Code																						
R1EX24002ATAS0I#U0	402T																						
R1EX24016ATAS0I#U0	416T																						
R1EX24032ATAS0I#U0	432T																						
R1EX25512ATAS0I#U0	512R																						
Assembly Material	Lead frame material	Cu	Cu																				
	Inner lead pattern	Current pattern (ATP original pattern)	Different from ATP pattern (MVC original pattern)																				
	Outer lead pattern	Current pattern	Compatible with ATP pattern																				
	Lead plating	Ni/Pd/Au	Ni/Pd/Au																				
	Die bonding	Epoxy paste	Epoxy paste																				
	Wire bonding	Au	Au																				
	Mold	Epoxy resin (Halogen-free)	Epoxy resin (Halogen-free)																				
Final test line		Amkor Technology Philippines, Inc. (Philippines)	MTEX(VIETNAM) CO.,LTD. (Vietnam)																				
Tape & Reel packing	Packing specification	Current specification (ATP original)	Different from ATP specification (MVC original)																				
	Embossed tape	Embossed type name : ADVANTEK TSSOP8	Embossed type name : TE1208-7P																				
	Storage number	3,000pcs/reel	←																				
	Inner box size (LxWxH)	348mm x 365mm x 52mm	354mm x 340mm x 48mm																				
Moisture-proof performance		MSL 1	←																				
Shipping label		Current specification	No change in format (Changes in internal code and country of origin)																				

3. Packing Specification (1 of 3)

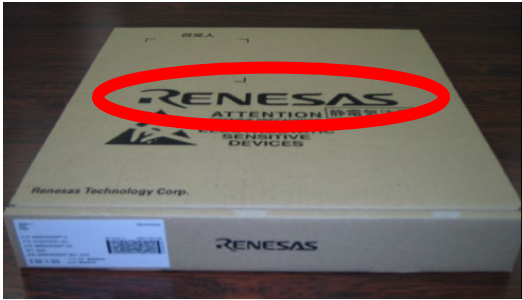
内装箱 Inner box

(Pre change:ATP product)



ルネサスロゴなし There is no logo mark of RENESAS

(Post change:MVC product)



ルネサスロゴ有 There is a logo mark of RENESAS

緩衝材 Cushioning material

(Pre change:ATP product)



シールド袋、エアキャップあり
Shielding Bag with Bubble bag

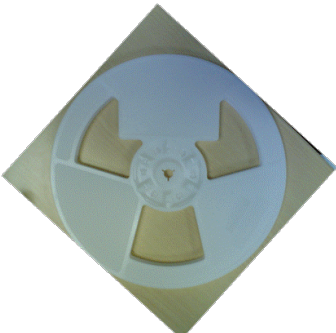
(Post change:MVC product)



なし None

リールの色 Reel's color

(Pre change:ATP product)



白 White

(Post change:MVC product)

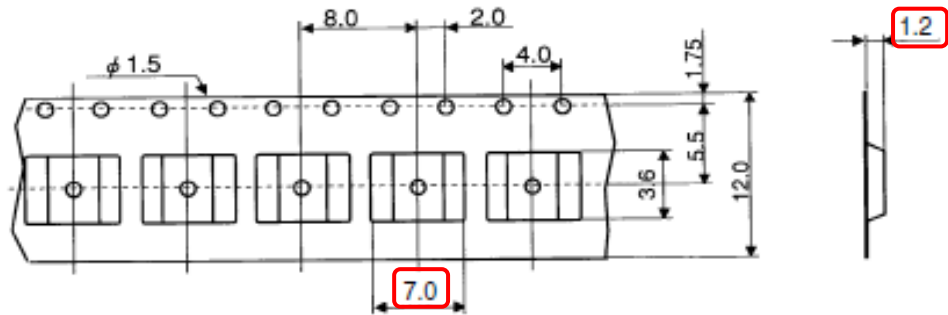


黒 Black

3. Packing Specification (2 of 3)

エンボステープ仕様 Embossed tape dimensions (TSSOP-8)

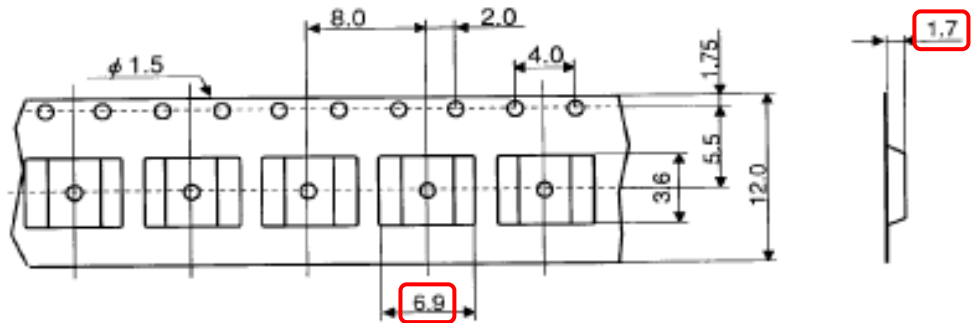
(Pre change:ATP product)



型名 (Tape type)	ADVANTEK TSSOP8
材質 (Material)	ポリスチレン (PS)
表面抵抗値 (Surface resistance value)	$1 \times 10^5 \Omega / \square$ 以下 $1 \times 10^5 \Omega / \square$ or less

パッケージコード (Package code)	TTP-8DAV
収納数 (storage No.)	A 3000 IC/内装箱 3000 IC/Inner box

(Post change:MVC product)



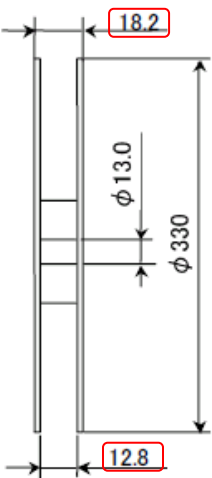
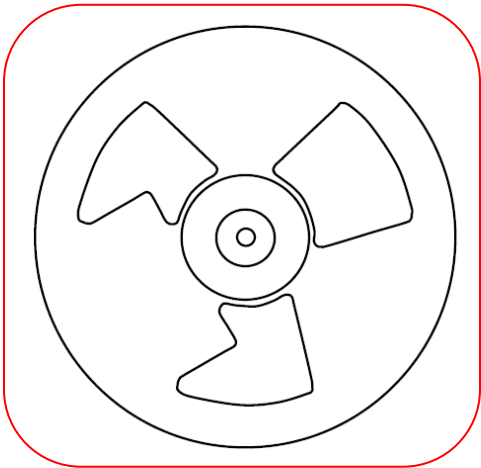
型名 (Tape type)	TE1208-7P
材質 (Material)	ポリスチレン (PS)
表面抵抗値 (Surface resistance value)	$1 \times 10^7 \Omega / \square$ 以下 (less than $1 \times 10^7 \Omega / \square$)

パッケージコード (Package code)	TTP-8DA TTP-8DAV
収納数 (storage No.)	3000IC/内装箱 (3000IC/Inner box)

3. Packing Specification (2 of 3)

リール仕様 Reel dimensions (TSSOP-8)

(Pre change:ATP product)



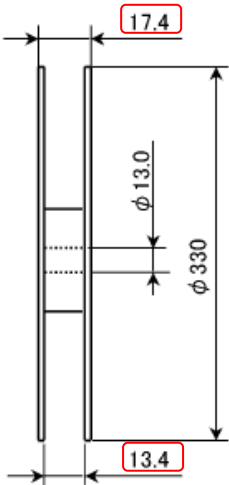
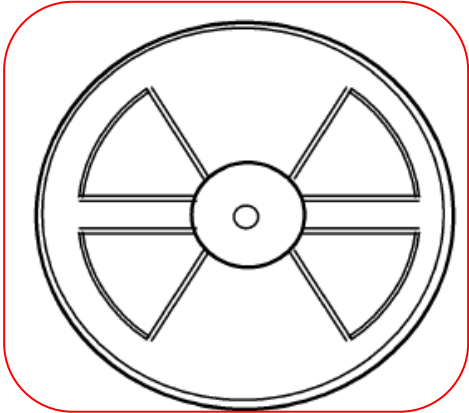
リール (Reel)	φ 330 プラスチックリール (12mm 幅用) φ 330 Plastic reel (for 12mm width)
材 質 (Material)	ポリスチレン (PS)
表面抵抗値 (Surface resistance value)	1 × 10 ⁹ Ω / □ 以下 1 × 10 ⁹ Ω / □ or less

※寸法値は設計値であり、保証値ではありません。
The size value is a design value, and no guarantee value.
単位:mm
Unit: mm

※成形金型の差異等により、リールのフランジ部のデザインが多少異なるものが存在する可能性があります。重要寸法に差異はなく、使用上に問題はありません。

There is no difference in an important size, and is no problem in use though there is a possibility where something that the design of the flange of the reel is somewhat different depending on the difference etc. of the molding metal mold exists.

(Post change:MVC product)



リール (Reel)	φ 330プラスチックリール(12mm幅用) φ 330 plastic reel (For 12mm width)
材 質 (Material)	ポリスチレン (Polystyrene)
表面抵抗値 (Surface resistance value)	1 × 10 ⁹ Ω / □ 以下 (less than 1 × 10 ⁹ Ω / □)

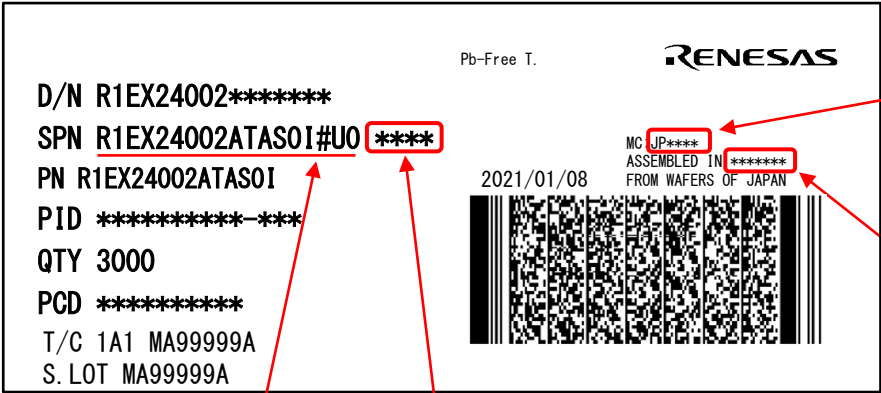
※寸法値は設計値であり、保証値ではありません。
The size value is a design value, and no guarantee value.
単位:mm
Unit: mm

※成形金型の差異等により、リールのフランジ部のデザインが多少異なるものが存在する可能性があります。重要寸法に差異はなく、使用上に問題はありません。

There is no difference in an important size, and is no problem in use though there is a possibility where something that the design of the flange of the reel is somewhat different depending on the difference etc. of the molding metal mold exists.

4. Shipping label

Example



(Pre Change: ATP) : JPPHPH
(Post Change: MVC) : JPVNVN

(Pre Change: ATP) : PHILIPPINES
(Post Change: MVC) : VIETNAM

Orderable part name :
No Change

Internal code
(Pre Change: ATP) : ***D
(Post Change: MVC) : ***5

Revision history	Appendix for 22-0007A
------------------	-----------------------

Rev.	Date	Outline of changed content
1.0	7/27/2022	Initial issue