

Product Change Notice (PCN)

Subject: Add assembly fab for MOSFET TO-252 products

Publication Date: 12/12/2024

Effective Date: 7/1/2025

Revision Description:

Initial release

Description of Change:

- Affected package : TO-252

- Affected back-end manufacturing site :

Additional = ATX Semiconductor Co., Ltd. (ATX-WH)

Current = Renesas Semiconductor (Malaysia) Co., Ltd. (RSM)

Item	Additional	Current
Assembly site	ATX-WH	RSM
Testing site	ATX-WH	RSM
Package outline	There is a difference (Please refer to *1)	
Lead frame	Cu LF	Cu LF
Die bond material	PbSn solder	PbSn solder
Bonding wire	Al wire	Al wire
Mold compound	Epoxy mold compound (Halogen free)	Epoxy mold compound (Halogen)
Lead plating	Sn 100%	Sn-Bi
Packing material	Embossed tape	Embossed tape

Affected Product List:

H7P0601DSTL-E			
H7N0603DSTR-E			

Reason for Change:

The purpose is to ensure a stable supply of the affected products.

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

Package outline : Please refer to *1.

No impact on the mounting, function, quality & reliability.

Product Identification:

It can be identified by product's T/C (Manufacture lot and For Renesas Electronics management).

Please contact our sales representative.

Qualification Status: Reliability test has been completed. Reliability results can be provided.

Sample Availability Date: 1/10/2025

Sample can be provided. Please contact our sales representative.

Device Material Declaration: Materials can be provided. Please contact our sales representative.

*1 : Package outline and dimension comparison

	Package Drawings	Dimensions [Unit: mm]																																													
Current		<table border="1"> <thead> <tr> <th></th> <th>Current</th> <th>Additional</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>2.30</td> <td>2.30</td> </tr> <tr> <td>A1</td> <td>0~0.25</td> <td>0~0.20</td> </tr> <tr> <td>b</td> <td>0.80</td> <td>0.75</td> </tr> <tr> <td>b3</td> <td>5.60</td> <td>5.20</td> </tr> <tr> <td>c</td> <td>0.55</td> <td>0.55</td> </tr> <tr> <td>c2</td> <td>0.55</td> <td>0.55</td> </tr> <tr> <td>D</td> <td>5.50</td> <td>6.10</td> </tr> <tr> <td>D1</td> <td>4.5min</td> <td>5.2</td> </tr> <tr> <td>E</td> <td>6.50</td> <td>6.50</td> </tr> <tr> <td>E1</td> <td>4.7min</td> <td>4.3</td> </tr> <tr> <td>e</td> <td>2.29</td> <td>2.29</td> </tr> <tr> <td>H</td> <td>9.5</td> <td>9.9</td> </tr> <tr> <td>L</td> <td>0.5min</td> <td>0.51min</td> </tr> <tr> <td>L3</td> <td>1.5</td> <td>1.1</td> </tr> </tbody> </table>		Current	Additional	A	2.30	2.30	A1	0~0.25	0~0.20	b	0.80	0.75	b3	5.60	5.20	c	0.55	0.55	c2	0.55	0.55	D	5.50	6.10	D1	4.5min	5.2	E	6.50	6.50	E1	4.7min	4.3	e	2.29	2.29	H	9.5	9.9	L	0.5min	0.51min	L3	1.5	1.1
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- 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.