

## Product Change Notice (PCN)

**Subject:** Package assembly site addition for RZ/A1L (208pinLQFP)

**Publication Date:** 6/23/2025

**Effective Date:** 1/7/2026

**Revision Descriptions:** Initial release

**Change Descriptions:**

Renesas will add an assembly site for RZ/A1L (208pinLQFP) to realize stable supply. The Booking part numbers will be changed for identification because a part of package outline will also be changed from the current product. In addition, at the additional assembly site, The Storage Conditions After Opening Moisture-Proof Packing will be changed from Humidity  $\leq 70\%RH$  to Humidity  $\leq 60\%RH$ .

**Table:**

Items	Additional site	Current site
Company	Y	X
Location	Taiwan	Japan

**Affected Product List:**

Added products	Current products
R7S721021VCFP#AA2	R7S721021VCFP#AA1
R7S721021VCFP#BA2	R7S721021VCFP#BA1

**Reason for Changes:**

For stable supply of the product.

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

Form : Drawings of the current product and additional product are shown in the appendix. Package outline is considered equivalent.  
 Fit : No Impact  
 Function : No Impact  
 Quality : No Impact  
 Reliability : No Impact

**Product Identification:**

These products can be identified by package marking and packing label. (Refer to Appendix)

**Qualification Status:**

Now Available

**Sample Availability Date:**

7/31/2025

**Device Material Declaration:**

Please contact Renesas sales representatives.



PCN#[ EPPO-EX-25-0019-1]

- 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.**

## Appendix

## Package outline:

Current product				Additional product																																																																																																																																																																					
<table border="1"> <thead> <tr> <th rowspan="2">Reference Symbol</th> <th colspan="3">Dimension in Millimeters</th> </tr> <tr> <th>Min.</th> <th>Nom.</th> <th>Max.</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>1.7</td></tr> <tr><td>A1</td><td>0.05</td><td>0.1</td><td>0.15</td></tr> <tr><td>A2</td><td>-</td><td>1.4</td><td>-</td></tr> <tr><td>HD</td><td>29.8</td><td>30</td><td>30.2</td></tr> <tr><td>D</td><td>-</td><td>28</td><td>-</td></tr> <tr><td>HE</td><td>29.8</td><td>30</td><td>30.2</td></tr> <tr><td>E</td><td>-</td><td>28</td><td>-</td></tr> <tr><td>e</td><td>-</td><td>0.5</td><td>-</td></tr> <tr><td>b</td><td>0.17</td><td>0.22</td><td>0.27</td></tr> <tr><td>c</td><td>0.095</td><td>0.145</td><td>0.195</td></tr> <tr><td><math>\theta</math></td><td>0°</td><td>-</td><td>8°</td></tr> <tr><td>L</td><td>0.35</td><td>0.5</td><td>0.65</td></tr> <tr><td>L1</td><td>-</td><td>1.00</td><td>-</td></tr> <tr><td>b1</td><td>-</td><td>0.2</td><td>-</td></tr> <tr><td>c1</td><td>-</td><td>0.125</td><td>-</td></tr> <tr><td>x</td><td>-</td><td>-</td><td>0.08</td></tr> <tr><td>y</td><td>-</td><td>-</td><td>0.08</td></tr> <tr><td>ZD</td><td>-</td><td>1.25</td><td>-</td></tr> <tr><td>ZE</td><td>-</td><td>1.25</td><td>-</td></tr> </tbody> </table>				Reference Symbol	Dimension in Millimeters			Min.	Nom.	Max.	A	-	-	1.7	A1	0.05	0.1	0.15	A2	-	1.4	-	HD	29.8	30	30.2	D	-	28	-	HE	29.8	30	30.2	E	-	28	-	e	-	0.5	-	b	0.17	0.22	0.27	c	0.095	0.145	0.195	$\theta$	0°	-	8°	L	0.35	0.5	0.65	L1	-	1.00	-	b1	-	0.2	-	c1	-	0.125	-	x	-	-	0.08	y	-	-	0.08	ZD	-	1.25	-	ZE	-	1.25	-	<table border="1"> <thead> <tr> <th rowspan="2">Reference Symbol</th> <th colspan="3">Dimension in Millimeters</th> </tr> <tr> <th>Min.</th> <th>Nom.</th> <th>Max.</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>-</td><td>1.7</td></tr> <tr><td>A1</td><td>0.05</td><td>-</td><td>0.15</td></tr> <tr><td>A2</td><td>1.35</td><td>1.4</td><td>1.45</td></tr> <tr><td>D</td><td>-</td><td>30 BSC.</td><td>-</td></tr> <tr><td>D1</td><td>-</td><td>28 BSC.</td><td>-</td></tr> <tr><td>E</td><td>-</td><td>30 BSC.</td><td>-</td></tr> <tr><td>E1</td><td>-</td><td>28 BSC.</td><td>-</td></tr> <tr><td>N</td><td>-</td><td>208</td><td>-</td></tr> <tr><td>e</td><td>-</td><td>0.5 BSC.</td><td>-</td></tr> <tr><td>b</td><td>0.17</td><td>0.22</td><td>0.27</td></tr> <tr><td>c</td><td>0.095</td><td>-</td><td>0.195</td></tr> <tr><td>q</td><td>0°</td><td>3.5°</td><td>8°</td></tr> <tr><td>L</td><td>0.35</td><td>0.5</td><td>0.65</td></tr> <tr><td>L1</td><td>-</td><td>1.00 REF.</td><td>-</td></tr> <tr><td>aaa</td><td>-</td><td>-</td><td>0.2</td></tr> <tr><td>bbb</td><td>-</td><td>-</td><td>0.2</td></tr> <tr><td>ccc</td><td>-</td><td>-</td><td>0.08</td></tr> <tr><td>ddd</td><td>-</td><td>-</td><td>0.08</td></tr> </tbody> </table>				Reference Symbol	Dimension in Millimeters			Min.	Nom.	Max.	A	-	-	1.7	A1	0.05	-	0.15	A2	1.35	1.4	1.45	D	-	30 BSC.	-	D1	-	28 BSC.	-	E	-	30 BSC.	-	E1	-	28 BSC.	-	N	-	208	-	e	-	0.5 BSC.	-	b	0.17	0.22	0.27	c	0.095	-	0.195	q	0°	3.5°	8°	L	0.35	0.5	0.65	L1	-	1.00 REF.	-	aaa	-	-	0.2	bbb	-	-	0.2	ccc	-	-	0.08	ddd	-	-	0.08
Reference Symbol	Dimension in Millimeters																																																																																																																																																																								
	Min.	Nom.	Max.																																																																																																																																																																						
A	-	-	1.7																																																																																																																																																																						
A1	0.05	0.1	0.15																																																																																																																																																																						
A2	-	1.4	-																																																																																																																																																																						
HD	29.8	30	30.2																																																																																																																																																																						
D	-	28	-																																																																																																																																																																						
HE	29.8	30	30.2																																																																																																																																																																						
E	-	28	-																																																																																																																																																																						
e	-	0.5	-																																																																																																																																																																						
b	0.17	0.22	0.27																																																																																																																																																																						
c	0.095	0.145	0.195																																																																																																																																																																						
$\theta$	0°	-	8°																																																																																																																																																																						
L	0.35	0.5	0.65																																																																																																																																																																						
L1	-	1.00	-																																																																																																																																																																						
b1	-	0.2	-																																																																																																																																																																						
c1	-	0.125	-																																																																																																																																																																						
x	-	-	0.08																																																																																																																																																																						
y	-	-	0.08																																																																																																																																																																						
ZD	-	1.25	-																																																																																																																																																																						
ZE	-	1.25	-																																																																																																																																																																						
Reference Symbol	Dimension in Millimeters																																																																																																																																																																								
	Min.	Nom.	Max.																																																																																																																																																																						
A	-	-	1.7																																																																																																																																																																						
A1	0.05	-	0.15																																																																																																																																																																						
A2	1.35	1.4	1.45																																																																																																																																																																						
D	-	30 BSC.	-																																																																																																																																																																						
D1	-	28 BSC.	-																																																																																																																																																																						
E	-	30 BSC.	-																																																																																																																																																																						
E1	-	28 BSC.	-																																																																																																																																																																						
N	-	208	-																																																																																																																																																																						
e	-	0.5 BSC.	-																																																																																																																																																																						
b	0.17	0.22	0.27																																																																																																																																																																						
c	0.095	-	0.195																																																																																																																																																																						
q	0°	3.5°	8°																																																																																																																																																																						
L	0.35	0.5	0.65																																																																																																																																																																						
L1	-	1.00 REF.	-																																																																																																																																																																						
aaa	-	-	0.2																																																																																																																																																																						
bbb	-	-	0.2																																																																																																																																																																						
ccc	-	-	0.08																																																																																																																																																																						
ddd	-	-	0.08																																																																																																																																																																						
Compliant JEITA				Compliant JEDEC																																																																																																																																																																					

## Storage Conditions After Opening Moisture-Proof Packing:

Current product		Additional product	
Storage after opening moisture-proof packing Temperature 5-30°C Humidity $\leq 70\%RH$ Time $\leq 168$ hours		Storage after opening moisture-proof packing Temperature 5-30°C Humidity $\leq 60\%RH$ Time $\leq 168$ hours  There is no change to Temperature and Time.	

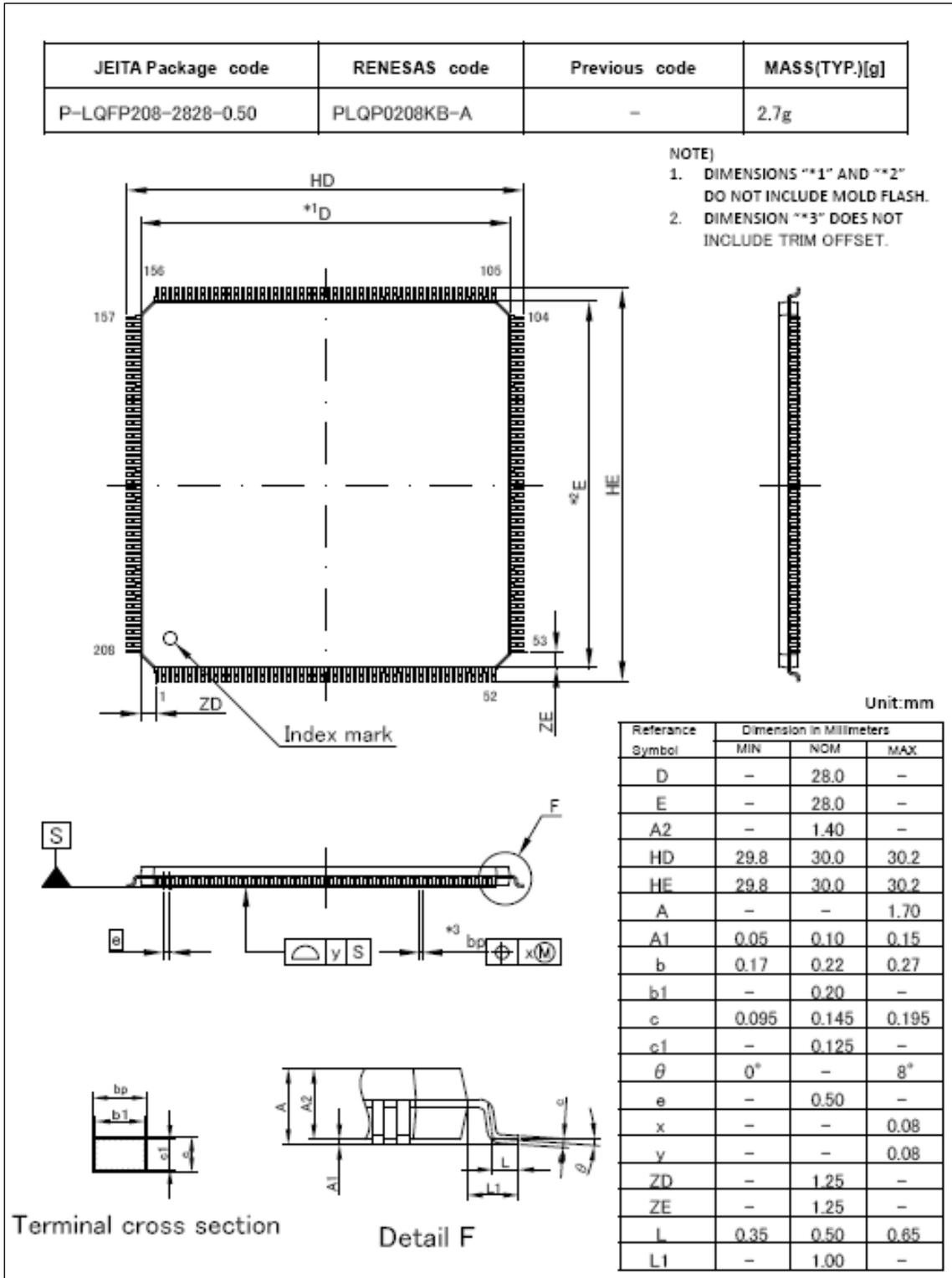
Package marking:

Current product	Additional product
 <p>Trace Code 7 digits</p>	 <p>Trace Code 9 digits</p>

Packing label:

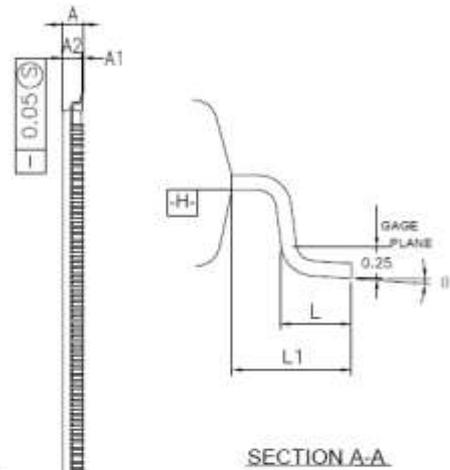
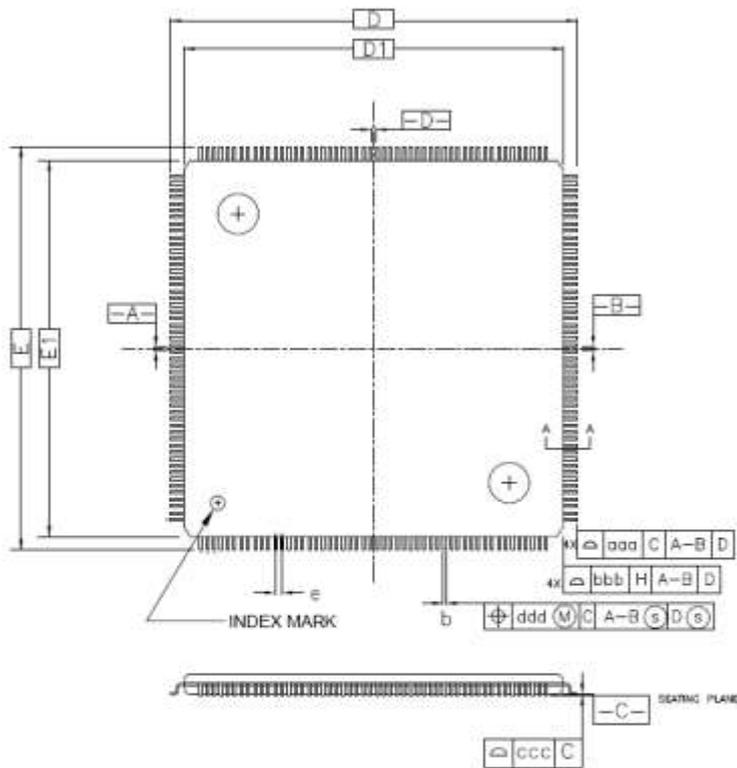
Current product	Additional product
<p>D/N: R7S721021VCFP AA1WM02000                      SPN: R7S721021VCFP#AA1 AA1WM02000</p>	<p>D/N: R7S721021VCFP AA2M508000                      SPN: R7S721021VCFP#AA2 AA2M508000</p> <p>SPN order part number,                      The 17th digit from the left is "2".</p>

Outline Drawing for current product:



Outline Drawing for additional product:

JEITA Package code	RENESAS code	MASS(TYP.)[g]
P-LFQFP208-28x28-0.50	PLQP0208KD-A	2.6g



Reference Symbol	Dimension in Millimeters		
	Min.	Nom.	Max.
A	—	—	1.70
A <sub>1</sub>	0.05	—	0.15
A <sub>2</sub>	1.35	1.40	1.45
D	30.00 BSC.		
D <sub>1</sub>	28.00 BSC.		
E	30.00 BSC.		
E <sub>1</sub>	28.00 BSC.		
N	—	208	—
e	0.50 BSC.		
b	0.17	0.22	0.27
c	0.095	—	0.195
ø	0°	3.5°	8°
L	0.35	0.50	0.65
L <sub>1</sub>	1.00 REF.		
aaa	—	—	0.20
bbb	—	—	0.20
ccc	—	—	0.08
ddd	—	—	0.08

## Storage Conditions After Opening Moisture-Proof Packing for current product:

実装条件 Mount Conditions 防湿包装開封後保管条件 Storage Conditions After Opening Moisture-Proof Packing		RDK-J-000062-2 1/1 ルネサス エレクトロニクス株式会社 Renesas Electronics Corporation
<p>防湿包装開封後の保管について Storage after opening moisture-proof packing.</p> <p>防湿包装開封後はパッケージの吸湿を避けるため、下記条件にて保管してください。 After opening moisture-proof packing, semiconductor devices must be stored under the following conditions to prevent moisture absorption by the packages.</p>		
項目 Item	条件 Condition	備考 Note
温度 Temperature	5°C~30°C 5 - 30°C	
湿度 Humidity	70%RH 以下 ≤70%RH	
時間 ※ Time	168 時間以内 ≤168 hours	※ 開封後～最終リフローはんだ付け完了までの時間 The time from the point the packaging is opened until the last device reflowing has been completed.

## Storage Conditions After Opening Moisture-Proof Packing for additional product:

<b>実装条件 Mount Conditions</b> 防湿包装開封後保管条件 Storage Conditions After Opening Moisture-Proof Packing	RDK-J-000148-1 1/1	
	ルネサス エレクトロニクス株式会社 Renesas Electronics Corporation	
<p>防湿包装開封後の保管について Storage after opening moisture-proof packing</p> <p>防湿包装開封後はパッケージの吸湿を避けるため、下記条件にて保管してください。 After opening moisture-proof packing, semiconductor devices must be stored under the following conditions to prevent moisture absorption by the packages.</p>		
項目 Item	条件 Condition	備考 Note
温度 Temperature	5°C～30°C 5 - 30°C	
湿度 Humidity	60%RH 以下 ≤60%RH	
時間 ※ Time	168 時間以内 ≤168 hours	※ 開封後～最終リフローはんだ付け完了までの時間 The time from the point the packaging is opened until the last device reflowing has been completed.