PCN# : [RL-BB-23-0057]

Product Change Notice (PCN)

Subject: Addition of back-end production for general-purpose linear IC products (MSOP package products)
Publication Date: 6/30/2023
Effective Date: 1/26/2024

Revision Description:
Initial Release

Description of Change:
This notice is to propose the addition of a Back-End Factory.

< Products >
Operational amplifier ICs, Comparator ICs, Reset ICs (MSOP package products)

< Production site >

	Production site
Back-end production Additional plant	HCA : HIGH COMPONENTS AOMORI CO.,LTD. (Japan)

< Material >
Some materials are different, but this material has been mass-produced.

Material	Current products	HCA products
Lead frame	Cu-based	Cu-based
Resin	Epoxy Resin	Epoxy Resin (Halogen Free)
Plating	Sn-Bi	Sn-Bi
Wire	Au(23um)	Au(20um)

Affected Product List:

No	Part number
1	UPC1251AMP(30)-KAA-E1-A
2	UPC1251AMP(30)-KAA-E2-A
3	UPC1251EMP(30)-KAA-E2-A
4	UPC1251EMP(38)-KAA-E2-A
5	UPC1251EMP(92)-KAA-E2-A
6	UPC1251EMP(93)-KAA-E2-A
7	UPC1251MP(30)-KAA-E1-A
8	UPC1251MP(30)-KAA-E2-A
9	UPC1251MP(31)-KAA-E1-A
10	UPC1251MP(38)-KAA-E1-A
11	UPC1251MP(38)-KAA-E2-A
12	UPC1251MP(92)-KAA-E2-A
13	UPC1251MP(93)-KAA-E2-A
14	UPC1251MP-KAA-E1-A
15	UPC1251MP-KAA-E2-A
16	UPC277MP(20)-KAA-E1-A
17	UPC277MP(30)-KAA-E1-A
18	UPC277MP(30)-KAA-E2-A
19	UPC277MP(31)-KAA-E1-A
20	UPC277MP(38)-KAA-E2-A
21	UPC277MP(92)-KAA-E2-A
22	UPC277MP-KAA-E1-A
23	UPC277MP-KAA-E2-A
24	UPC842AMP(20)-KAA-E1-A
25	UPC842AMP(20)-KAA-E2-A
26	UPC842AMP(21)-KAA-E1-A
27	UPC842AMP(21)-KAA-E2-A
28	UPC842AMP(91)-KAA-E1-A
29	UPC842AMP(91)-KAA-E2-A
30	REAC1251GSN#GC0
31	REAC1251JSN#GC0
32	REAC1251JSN#GC1
33	REAC1251JSN#GC2
34	REAC1251JSN#HC0
35	REAC1251JSN#HC1
36	REAC1251JSN#HC2
37	REAC1251JSN#HC3
38	REAC1251JSN#HC4
39	REAC1251JSN#HC5
40	READ2303GSN#GC0
41	READ2304GSN#GC0
42	REAR56953AJSN#HC1
43	REAR56953BJSN#HC1
44	REAR56957AJSN#HC1
45	REAR56957BJSN#HC1
46	REAR56958BJSN#HC1

Reason for Change:

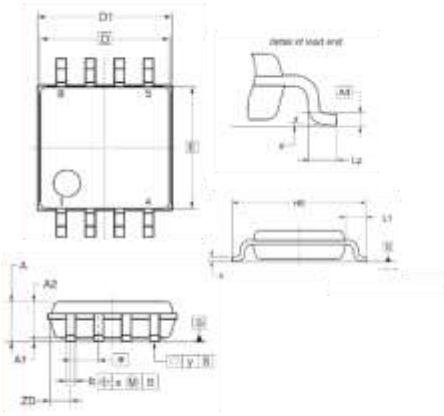
For stable supply.

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

< Form >

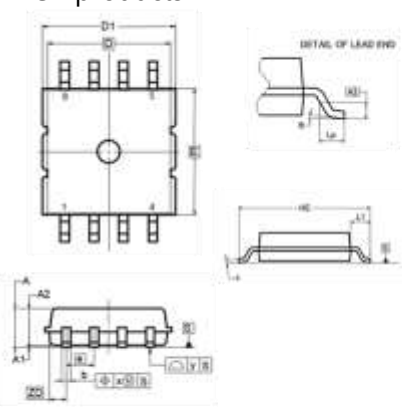
There are some dimensional differences in the outline drawing, but the recommended foot pattern remains the same.

Current products



ITEM	(UNIT:mm) DIMENSION
D	2.90
D1	3.00±0.20
E	2.80
HE	4.00±0.20
e	0.65
b	0.22±0.05
A	1.03 MAX
A1	0.08±0.05
A2	0.85±0.05
A3	0.25
L1	0.60±0.20
c	0.145 +0.05 -0.03
Lp	0.37±0.10
x	0.10
y	0.10
θ	3° +5° -3°
ZD	0.525

HCA products

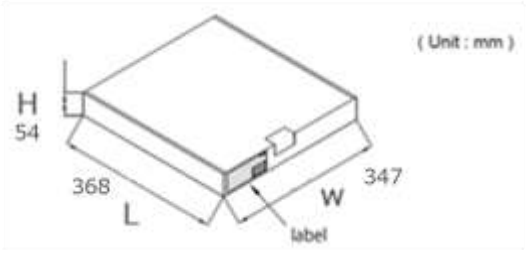
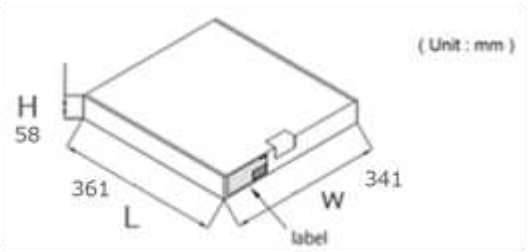


ITEM	(UNIT:mm) DIMENSION
D	2.75
D1	2.95±0.20
E	2.80
HE	4.00±0.30
e	0.65
b	0.20 +0.10 -0.05
A	1.00 MAX
A1	0.05±0.05
A2	0.85±0.10
A3	0.25
L1	0.60±0.20
c	0.13 +0.10 -0.05
Lp	0.37±0.12
x	0.10
y	0.10
θ	7±7°
ZD	0.50

< Packaging >

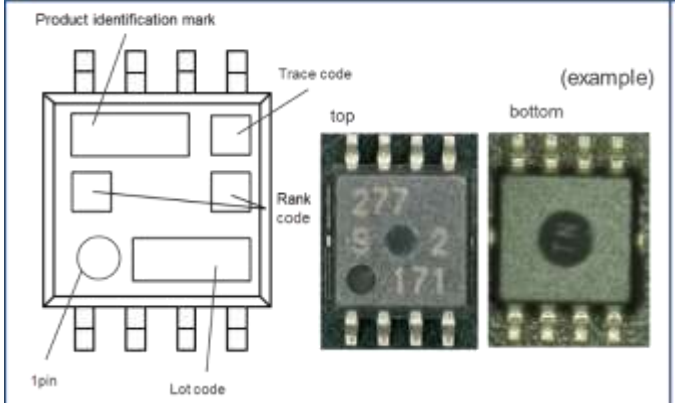
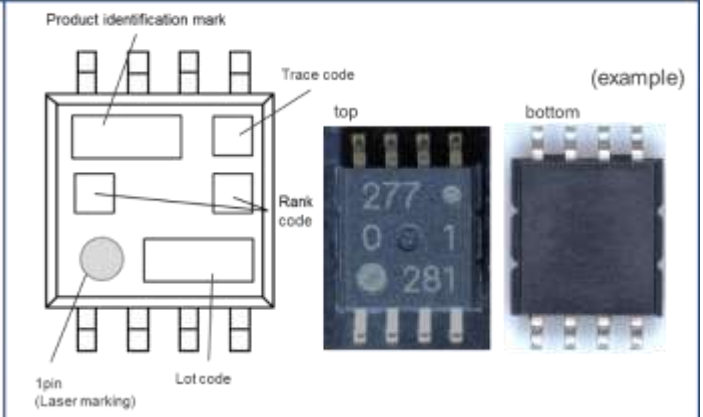
The size of the tape packaging box is different as follows.
This is standard specifications that have been mass-produced.

Current products (L×W×H)	HCA products (L×W×H)
368×347×54 (mm)	361×341×58 (mm)

Current products	HCA products
The label position is an image	The label position is an image
	
Box Dimensions 368×347×54 MAX 2 reels/box	Box Dimensions 361×341×58 MAX 2 reels/box

Product Identification:

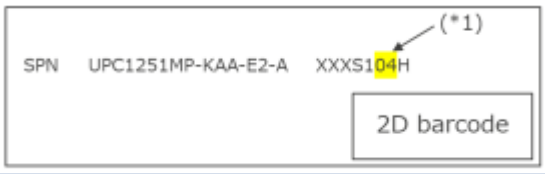
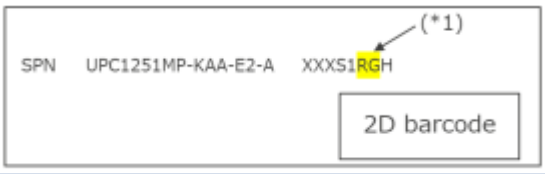
The appearance of the marking/outline (typeface, 1-pin mark, surface finish, etc.) is different, but the marking/outline information is the same. (There is no change in the marking drawing of the delivery specification.)

Current products	HCA products
	

Production sites can be identified by labels (reels, packaging boxes).

Examples of products beginning with UPC
(*1) characters: 04 → RG

Labels are images.

Current products	HCA products
	

Examples of products beginning with REAx
(*2) characters: LP → C6

Labels are images.

Current products	HCA products

Qualification Status: Available from 7/15/2023.

Sample Availability Date: 6/30/2023

Device Material Declaration: Please contact your sales representative.

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.