

Product Change Notice (PCN)

Subject: Ordering part number and outer packing box change for IGBT and FRD bare die products

Publication Date: 1/25/2023

Effective Date: 5/1/2023

Revision Description:

Initial release

Description of Change:

Renesas will change ordering part number for IGBT and FRD bare die products to define the ordering quantity units. (Establish 2 types: small quantity and full box packaging)

And will change the outer packing box for some unsawn shipping products.

Affected Product List:

IGBT and FRD bare die products (Total 90 products)

*Please refer to p.3 and after for a list of products.

Reason for Change:

1. Ordering part number change

To improve production efficiency, we will define the ordering quantity unit.

2. Outer packing box change (for some unsawn shipping products)

The current outer box is large enough to hold two or four wafer cases per box. Therefore, when shipping small quantities, in addition to the wafer case in which wafers are packed, empty wafer case or cushions are included to fill the box and ship the product. In consideration of environmental impact, we have changed to an outer box that can pack one wafer case per outer box.

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

No impact on the form, function, quality.

Product Identification:

Identification for new part number is known from display on label.

Qualification Status: N/A

Sample Availability Date: N/A

Device Material Declaration: N/A

- 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.

About new part number

- The order quantities shown in the following table indicate the maximum quantity of chips for each part number, and the actual quantity of chips shipped will be reduced due to yield. There is also a possibility that the number of wafers may decrease during the manufacturing process. The quantity shipped will be indicated on the label as the number of good chips.
- Orders are taken in units of the ordering quantity. An example is shown below.
Example) P/N: RBN100N180S2HFWA-850#FF0 (Ordering quantity : 1380pcs)
If the required quantity is 2760pcs, please input an order for 2760pcs. (1380pcs x2)

The product list is shown in the following pages.

Product list for ordering part number change

PC-APW-A006A/E

<8inch Unsaun shipping products / Total 29 products>

No	VCES/ VR (V)	IC/ IF (A)	Current Ordering Part Number	New Part Number (Maximum 5wafers)	Quantity (Pcs)	New Part Number (Maximum 25wafers)	Quantity (Pcs)
1	1800	100	RBN100N180S2HFWA-80#FFO	RBN100N180S2HFWA-850#FFO	1380	RBN100N180S2HFWA-8F0#FFO	6900
2	1800	150	RBN150N180S2HFWA-80#FFO	RBN150N180S2HFWA-850#FFO	960	RBN150N180S2HFWA-8F0#FFO	4800
3	1800	200	RBN200N180S2HFWA-80#FFO	RBN200N180S2HFWA-850#FFO	740	RBN200N180S2HFWA-8F0#FFO	3700
4	1250	75	RBN75N125S1UFWA-800#FFO	RBN75N125S1UFWA-850#FFO	2360	RBN75N125S1UFWA-8F0#FFO	11800
5	1250	40	RBN40N125S1UFWA-800#FFO	RBN40N125S1UFWA-850#FFO	4000	RBN40N125S1UFWA-8F0#FFO	20000
6	1250	25	RBN25N125S1UFWA-800#FFO	RBN25N125S1UFWA-850#FFO	5740	RBN25N125S1UFWA-8F0#FFO	28700
7	650	75	RBN75N65T1UFWA-800#FFO	RBN75N65T1UFWA-850#FFO	5770	RBN75N65T1UFWA-8F0#FFO	28850
8	650	50	RBN50N65T1UFWA-800#FFO	RBN50N65T1UFWA-850#FFO	8390	RBN50N65T1UFWA-8F0#FFO	41950
9	650	40	RBN40N65T1UFWA-800#FFO	RBN40N65T1UFWA-850#FFO	9900	RBN40N65T1UFWA-8F0#FFO	49500
10	650	30	RJP65S03DWA-80#W0	RJP65S03DWA-85#W0	5580	RJP65S03DWA-8F#W0	27900
11	650	50	RJP65S04DWA-80#W0	RJP65S04DWA-85#W0	3770	RJP65S04DWA-8F#W0	18850
12	650	75	RJP65S05DWA-80#W0	RJP65S05DWA-85#W0	2630	RJP65S05DWA-8F#W0	13150
13	650	100	RJP65S06DWA-80#W0	RJP65S06DWA-85#W0	2120	RJP65S06DWA-8F#W0	10600
14	650	150	RJP65S07DWA-80#W0	RJP65S07DWA-85#W0	1420	RJP65S07DWA-8F#W0	7100
15	650	200	RJP65S08DWA-80#W0	RJP65S08DWA-85#W0	1105	RJP65S08DWA-8F#W0	5525
16	1250	10	RJP1CS10DWA-80#W0	RJP1CS10DWA-85#W0	9910	RJP1CS10DWA-8F#W0	49550
17	1250	15	RJP1CS01DWA-80#W0	RJP1CS01DWA-85#W0	7540	RJP1CS01DWA-8F#W0	37700
18	1250	30	RJP1CS03DWA-80#W0	RJP1CS03DWA-85#W0	4390	RJP1CS03DWA-8F#W0	21950
19	1250	50	RJP1CS04DWA-80#W0	RJP1CS04DWA-85#W0	2870	RJP1CS04DWA-8F#W0	14350
20	1250	75	RJP1CS05DWA-80#W0	RJP1CS05DWA-85#W0	2030	RJP1CS05DWA-8F#W0	10150
21	1250	100	RJP1CS06DWA-80#W0	RJP1CS06DWA-85#W0	1640	RJP1CS06DWA-8F#W0	8200
22	1250	150	RJP1CS07DWA-80#W0	RJP1CS07DWA-85#W0	1120	RJP1CS07DWA-8F#W0	5600
23	1250	200	RJP1CS08DWA-80#W0	RJP1CS08DWA-85#W0	810	RJP1CS08DWA-8F#W0	4050
24	1250	30	RJP1CS23DWA-80#W0	RJP1CS23DWA-85#W0	4390	RJP1CS23DWA-8F#W0	21950
25	1250	50	RJP1CS24DWA-80#W0	RJP1CS24DWA-85#W0	2870	RJP1CS24DWA-8F#W0	14350
26	1250	75	RJP1CS25DWA-80#W0	RJP1CS25DWA-85#W0	2030	RJP1CS25DWA-8F#W0	10150
27	1250	100	RJP1CS26DWA-80#W0	RJP1CS26DWA-85#W0	1640	RJP1CS26DWA-8F#W0	8200
28	1250	150	RJP1CS27DWA-80#W0	RJP1CS27DWA-85#W0	1120	RJP1CS27DWA-8F#W0	5600
29	1250	200	RJP1CS28DWA-80#W0	RJP1CS28DWA-85#W0	810	RJP1CS28DWA-8F#W0	4050

Note) The outer packaging box for the above 29 products will be changed.

		Current	New
8inch Products	Size of the outer box[mm]	350x350x270	350x350x160
	Quantity of wafer case	2	1

<6inch Unawn shipping products / Total 31 products>

No.	VCES/ VR (V)	IC/ IF (A)	Current Ordering Part Number	New Part Number (Maximum 3wafers)	Quantity (Pcs)	New Part Number (Maximum 13wafers)	Quantity (Pcs)
1	1250	15	RBC15A125B1UFWA-000#FF0	RBC15A125B1UFWA-030#FF0	6582	RBC15A125B1UFWA-0F0#FF0	28522
2	1250	25	RBC25A125B1UFWA-000#FF0	RBC25A125B1UFWA-030#FF0	4941	RBC25A125B1UFWA-0F0#FF0	21411
3	1250	50	RBC50A125B1UFWA-000#FF0	RBC50A125B1UFWA-030#FF0	1932	RBC50A125B1UFWA-0F0#FF0	8372
4	650	30	RBC30A65B1UFWA-000#FF0	RBC30A65B1UFWA-030#FF0	4146	RBC30A65B1UFWA-0F0#FF0	17966
5	650	50	RBC50A65B1UFWA-000#FF0	RBC50A65B1UFWA-030#FF0	2724	RBC50A65B1UFWA-0F0#FF0	11804
6	1250	30	RJU1CE03DWA-00#WO	RJU1CE03DWA-03#WO	1932	RJU1CE03DWA-0F#WO	8372
7	1250	50	RJU1CE04DWA-00#WO	RJU1CE04DWA-03#WO	1710	RJU1CE04DWA-0F#WO	7410
8	1250	75	RJU1CE05DWA-00#WO	RJU1CE05DWA-03#WO	1266	RJU1CE05DWA-0F#WO	5486
9	1250	100	RJU1CE06DWA-00#WO	RJU1CE06DWA-03#WO	894	RJU1CE06DWA-0F#WO	3874
10	1250	150	RJU1CE07DWA-00#WO	RJU1CE07DWA-03#WO	612	RJU1CE07DWA-0F#WO	2652
11	1250	200	RJU1CE08DWA-00#WO	RJU1CE08DWA-03#WO	456	RJU1CE08DWA-0F#WO	1976
12	1250	10	RJU1CF00DWA-00#WO	RJU1CF00DWA-03#WO	6570	RJU1CF00DWA-0F#WO	28470
13	1250	15	RJU1CF01DWA-00#WO	RJU1CF01DWA-03#WO	4941	RJU1CF01DWA-0F#WO	21411
14	1250	30	RJU1CF03DWA-00#WO	RJU1CF03DWA-03#WO	1932	RJU1CF03DWA-0F#WO	8372
15	1250	50	RJU1CF04DWA-00#WO	RJU1CF04DWA-03#WO	1710	RJU1CF04DWA-0F#WO	7410
16	1250	75	RJU1CF05DWA-00#WO	RJU1CF05DWA-03#WO	1266	RJU1CF05DWA-0F#WO	5486
17	1250	100	RJU1CF06DWA-00#WO	RJU1CF06DWA-03#WO	894	RJU1CF06DWA-0F#WO	3874
18	1250	150	RJU1CF07DWA-00#WO	RJU1CF07DWA-03#WO	612	RJU1CF07DWA-0F#WO	2652
19	1250	200	RJU1CF08DWA-00#WO	RJU1CF08DWA-03#WO	456	RJU1CF08DWA-0F#WO	1976
20	650	30	RJU65E03DWA-00#WO	RJU65E03DWA-03#WO	4536	RJU65E03DWA-0F#WO	19656
21	650	50	RJU65E04DWA-00#WO	RJU65E04DWA-03#WO	3027	RJU65E04DWA-0F#WO	13117
22	650	75	RJU65E05DWA-00#WO	RJU65E05DWA-03#WO	2346	RJU65E05DWA-0F#WO	10166
23	650	100	RJU65E06DWA-00#WO	RJU65E06DWA-03#WO	1710	RJU65E06DWA-0F#WO	7410
24	650	150	RJU65E07DWA-00#WO	RJU65E07DWA-03#WO	1170	RJU65E07DWA-0F#WO	5070
25	650	200	RJU65E08DWA-00#WO	RJU65E08DWA-03#WO	810	RJU65E08DWA-0F#WO	3510
26	650	30	RJU65F23DWA-00#WO	RJU65F23DWA-03#WO	4536	RJU65F23DWA-0F#WO	19656
27	650	50	RJU65F24DWA-00#WO	RJU65F24DWA-03#WO	3027	RJU65F24DWA-0F#WO	13117
28	650	75	RJU65F25DWA-00#WO	RJU65F25DWA-03#WO	2346	RJU65F25DWA-0F#WO	10166
29	650	100	RJU65F26DWA-00#WO	RJU65F26DWA-03#WO	1710	RJU65F26DWA-0F#WO	7410
30	650	150	RJU65F27DWA-00#WO	RJU65F27DWA-03#WO	1170	RJU65F27DWA-0F#WO	5070
31	650	200	RJU65F28DWA-00#WO	RJU65F28DWA-03#WO	810	RJU65F28DWA-0F#WO	3510

Note) The outer packaging box for the above 31 products will be changed.

		Current	New
6inch Products	Size of the outer box[mm]	449x274x284	230x230x160
	Quantity of wafer case	4	1

<6inch Unawn shipping products / Total 2 products>

PC-APW-A006A/E

No.	VCES/ VR (V)	IC/ IF (A)	Current Ordering Part Number	New Part Number (Maximum 3wafers)	Quantity (Pcs)	New Part Number (Maximum 13wafers)	Quantity (Pcs)
1	600	15	RJU60C3DWA-00#W0	RJU60C3DWA-03#W0	8424	RJU60C3DWA-0F#W0	36504
2	600	5	RJU60C4DWA-00#W0	RJU60C4DWA-03#W0	17370	RJU60C4DWA-0F#W0	75270

<8inch Sawn shipping products / Total 20 products>

No.	VCES/ VR (V)	IC/ IF (A)	Current Ordering Part Number	New Part Number (Maximum 5wafers)	Quantity (Pcs)	New Part Number (Maximum 25wafers)	Quantity (Pcs)
1	650	30	RJP65S03DWS-80#W0	RJP65S03DWS-85#W0	5580	RJP65S03DWS-8F#W0	27900
2	650	50	RJP65S04DWS-80#W0	RJP65S04DWS-85#W0	3770	RJP65S04DWS-8F#W0	18850
3	650	75	RJP65S05DWS-80#W0	RJP65S05DWS-85#W0	2630	RJP65S05DWS-8F#W0	13150
4	650	100	RJP65S06DWS-80#W0	RJP65S06DWS-85#W0	2120	RJP65S06DWS-8F#W0	10600
5	650	150	RJP65S07DWS-80#W0	RJP65S07DWS-85#W0	1420	RJP65S07DWS-8F#W0	7100
6	650	200	RJP65S08DWS-80#W0	RJP65S08DWS-85#W0	1105	RJP65S08DWS-8F#W0	5525
7	1250	10	RJP1CS10DWS-80#W0	RJP1CS10DWS-85#W0	9910	RJP1CS10DWS-8F#W0	49550
8	1250	15	RJP1CS01DWS-80#W0	RJP1CS01DWS-85#W0	7540	RJP1CS01DWS-8F#W0	37700
9	1250	30	RJP1CS03DWS-80#W0	RJP1CS03DWS-85#W0	4390	RJP1CS03DWS-8F#W0	21950
10	1250	50	RJP1CS04DWS-80#W0	RJP1CS04DWS-85#W0	2870	RJP1CS04DWS-8F#W0	14350
11	1250	75	RJP1CS05DWS-80#W0	RJP1CS05DWS-85#W0	2030	RJP1CS05DWS-8F#W0	10150
12	1250	100	RJP1CS06DWS-80#W0	RJP1CS06DWS-85#W0	1640	RJP1CS06DWS-8F#W0	8200
13	1250	150	RJP1CS07DWS-80#W0	RJP1CS07DWS-85#W0	1120	RJP1CS07DWS-8F#W0	5600
14	1250	200	RJP1CS08DWS-80#W0	RJP1CS08DWS-85#W0	810	RJP1CS08DWS-8F#W0	4050
15	1250	30	RJP1CS23DWS-80#W0	RJP1CS23DWS-85#W0	4390	RJP1CS23DWS-8F#W0	21950
16	1250	50	RJP1CS24DWS-80#W0	RJP1CS24DWS-85#W0	2870	RJP1CS24DWS-8F#W0	14350
17	1250	75	RJP1CS25DWS-80#W0	RJP1CS25DWS-85#W0	2030	RJP1CS25DWS-8F#W0	10150
18	1250	100	RJP1CS26DWS-80#W0	RJP1CS26DWS-85#W0	1640	RJP1CS26DWS-8F#W0	8200
19	1250	150	RJP1CS27DWS-80#W0	RJP1CS27DWS-85#W0	1120	RJP1CS27DWS-8F#W0	5600
20	1250	200	RJP1CS28DWS-80#W0	RJP1CS28DWS-85#W0	810	RJP1CS28DWS-8F#W0	4050

<6inch Sawn shipping products / Total 8 products>

No.	VCES/ VR (V)	IC/ IF (A)	Current Ordering Part Number	New Part Number (Maximum 3wafers)	Quantity (Pcs)	New Part Number (Maximum 13wafers)	Quantity (Pcs)
1	1250	10	RJU1CF00DWS-00#W0	RJU1CF00DWS-03#W0	6570	RJU1CF00DWS-0F#W0	28470
2	1250	15	RJU1CF01DWS-00#W0	RJU1CF01DWS-03#W0	4941	RJU1CF01DWS-0F#W0	21411
3	1250	30	RJU1CF03DWS-00#W0	RJU1CF03DWS-03#W0	1932	RJU1CF03DWS-0F#W0	8372
4	1250	50	RJU1CF04DWS-00#W0	RJU1CF04DWS-03#W0	1710	RJU1CF04DWS-0F#W0	7410
5	1250	75	RJU1CF05DWS-00#W0	RJU1CF05DWS-03#W0	1266	RJU1CF05DWS-0F#W0	5486
6	1250	100	RJU1CF06DWS-00#W0	RJU1CF06DWS-03#W0	894	RJU1CF06DWS-0F#W0	3874
7	1250	150	RJU1CF07DWS-00#W0	RJU1CF07DWS-03#W0	612	RJU1CF07DWS-0F#W0	2652
8	1250	200	RJU1CF08DWS-00#W0	RJU1CF08DWS-03#W0	456	RJU1CF08DWS-0F#W0	1976

Note) The above 30 products will be shipped in their current packaging box.