

Product Change Notice (PCN)

Subject: Notice of Change of Die-Bond Material for H8, H8S, H8SX, and SH Family Surface-Mount Package Products

Publication Date: 1/15/2025

Effective Date: 5/1/2025

Revision Description: Initial release

Description of Change:

Applicable products: H8, H8S, H8SX, and SH family QFP/FQFP/LQFP/LFQFP/TFQFP products
The back-end factory: Renesas Semiconductor (Suzhou) Co., Ltd (“Suzhou”)

Changes: The die-bond material will be changed.

The new die-bond material is a proven one for mass production at “Suzhou”.

Affected Product List:

Refer to the Product List in the appendix below.

Reason for Change:

To change to an alternate material due to the termination of supply of the material by the die-bond materials manufacturer.

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

This change will not affect fitting, form, function, quality, and reliability.

Product Identification:

Our production history data can be queried by using the trace code of the product.

Qualification Status:

The reliability test has been completed. Please contact our sales representatives or distributors

Sample Availability Date: Not applicable

Device Material Declaration:

Please contact our sales representatives or distributors.

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: Product List

(1) Affected Part Number (Before change: die-bond material A, After change: die-bond material C)

No.	Part Number	Package Type	Number of Pins	Family
1	D12320VF20DV	FQFP	128	H8S
2	D12320VF20V	FQFP	128	H8S
3	D12320VF25IV	FQFP	128	H8S
4	D12320VF25V	FQFP	128	H8S
5	D12322RVF20V	FQFP	128	H8S
6	D12322RVF25V	FQFP	128	H8S
7	D12324SVF25V	FQFP	128	H8S
8	D12324SVTE25V	TFQFP	120	H8S
9	D12394F20V	FQFP	128	H8S
10	D12394F20WV	FQFP	128	H8S
11	D32211***FPWV	LFQFP	64	H8S
12	D32217***TFV	TFQFP	100	H8S
13	D33682***FPV	LFQFP	64	H8
14	D33683***HV	QFP	64	H8
15	D33683***FPV	LFQFP	64	H8
16	D33684***FPV	LFQFP	64	H8
17	D33685G***HV	QFP	64	H8
18	D33686***FPV	LFQFP	64	H8
19	D33687***FPV	LFQFP	64	H8
20	D33690***FYV	LFQFP	48	H8
21	D33694***FYV	LFQFP	48	H8
22	D338324***WWV#GZ	TFQFP	80	H8
23	D338326***WV	TFQFP	80	H8
24	D338327***WV	TFQFP	80	H8
25	D338327***HWV	QFP	80	H8
26	DF2134AFA20V	QFP	80	H8S
27	DF2134ATF20V	TFQFP	80	H8S
28	DF2134AVFA10V	QFP	80	H8S
29	DF2134AVTF10V	TFQFP	80	H8S
30	DF2134BFA20V	QFP	80	H8S
31	DF2138AFA20IV	QFP	80	H8S
32	DF2138AFA20V	QFP	80	H8S
33	DF2138AVFA10V	QFP	80	H8S
34	DF2138AVTF10V	TFQFP	80	H8S
35	DF2144AFA20V	FQFP	100	H8S
36	DF2144ATE20V	TFQFP	100	H8S
37	DF2144AVFA10V	FQFP	100	H8S
38	DF2144AVTE10V	TFQFP	100	H8S
39	DF2148AFA20V	FQFP	100	H8S
40	DF2148ATE20IV	TFQFP	100	H8S
41	DF2148ATE20V	TFQFP	100	H8S
42	DF2148AVFA10V	FQFP	100	H8S
43	DF2148AVTE10V	TFQFP	100	H8S
44	DF2148BFA20IV	FQFP	100	H8S
45	DF2148BFA20V	FQFP	100	H8S
46	DF2148BVFA10V	FQFP	100	H8S
47	DF2210CUFP24V	LFQFP	64	H8S
48	DF2211CUFP24V	LFQFP	64	H8S
49	DF2211FP24V	LFQFP	64	H8S
50	DF2211UFP24V	LFQFP	64	H8S
51	DF2211UFP24WV	LFQFP	64	H8S
52	DF2212CUFP24V	LFQFP	64	H8S
53	DF2212FP24DV	LFQFP	64	H8S
54	DF2212FP24V	LFQFP	64	H8S
55	DF2212UFP24DV	LFQFP	64	H8S
56	DF2212UFP24V	LFQFP	64	H8S
57	DF2215TE16V	TFQFP	120	H8S
58	DF2215TE16WV	TFQFP	120	H8S

No.	Part Number	Package Type	Number of Pins	Family
59	DF2215UTE16V	TFQFP	120	H8S
60	DF2218CUTF24V	TFQFP	100	H8S
61	DF2218TF24V	TFQFP	100	H8S
62	DF2218UTF24V	TFQFP	100	H8S
63	DF2238AFA13V	FQFP	100	H8S
64	DF2238BFA13IV	FQFP	100	H8S
65	DF2238BFA13V	FQFP	100	H8S
66	DF2238BTE13V	TFQFP	100	H8S
67	DF2238BTF13V	TFQFP	100	H8S
68	DF2238RFA13V	FQFP	100	H8S
69	DF2238RTE13V	TFQFP	100	H8S
70	DF2238RTF13V	TFQFP	100	H8S
71	DF2239FA16V	FQFP	100	H8S
72	DF2239FA20IV	FQFP	100	H8S
73	DF2239FA20V	FQFP	100	H8S
74	DF2239TE16V	TFQFP	100	H8S
75	DF2239TE20IV	TFQFP	100	H8S
76	DF2239TE20V	TFQFP	100	H8S
77	DF2239TF20V	TFQFP	100	H8S
78	DF2258FA13IV	FQFP	100	H8S
79	DF2265FA13V	FQFP	100	H8S
80	DF2265FA20V	FQFP	100	H8S
81	DF2266TF13V	TFQFP	100	H8S
82	DF2268FA13V	FQFP	100	H8S
83	DF2268FA20V	FQFP	100	H8S
84	DF2268TE13V	TFQFP	100	H8S
85	DF2268TE20V	TFQFP	100	H8S
86	DF2317VTE25IV	TFQFP	100	H8S
87	DF2317VTE25V	TFQFP	100	H8S
88	DF2317VTEBL25V	TFQFP	100	H8S
89	DF2318VF25V	QFP	100	H8S
90	DF2318VTE25IV	TFQFP	100	H8S
91	DF2318VTE25V	TFQFP	100	H8S
92	DF2329BVF25V	FQFP	128	H8S
93	DF2329BVF25WV	FQFP	128	H8S
94	DF2329BVTE25V	TFQFP	120	H8S
95	DF2329BVTE25WV	TFQFP	120	H8S
96	DF2360VTE34DV	TFQFP	120	H8S
97	DF38076RW10V	TFQFP	80	H8
98	DF2361VTE34V	TFQFP	120	H8S
99	DF2362VTE34DV	TFQFP	120	H8S
100	DF38122WV	TFQFP	80	H8
101	DF38124HV	QFP	80	H8
102	DF2367VF33V	FQFP	128	H8S
103	DF2367VF33WV	FQFP	128	H8S
104	DF2367VTE33V	TFQFP	120	H8S
105	DF2367VTE33WV	TFQFP	120	H8S
106	DF2368VTE34DV	TFQFP	120	H8S
107	DF2368VTE34FV	TFQFP	120	H8S
108	DF2368VTE34V	TFQFP	120	H8S
109	DF2368VTE34WV	TFQFP	120	H8S
110	DF2377RVFQ33V	LFQFP	144	H8S
111	DF2377VFQ33V	LFQFP	144	H8S
112	DF2377VFQ33WV	LFQFP	144	H8S
113	DF2398F20V	FQFP	128	H8S
114	DF2398F20WTV	FQFP	128	H8S
115	DF2398F20WV	FQFP	128	H8S
116	DF2398TE20V	TFQFP	120	H8S
117	DF2437FV	FQFP	128	H8S
118	DF3028F25V	FQFP	100	H8
119	DF3028X25V	TFQFP	100	H8

No.	Part Number	Package Type	Number of Pins	Family
120	DF3048BF25V	FQFP	100	H8
121	DF3048BF25WV	FQFP	100	H8
122	DF3048BVF25V	FQFP	100	H8
123	DF3048BVX25V	TFQFP	100	H8
124	DF3048BX25V	TFQFP	100	H8
125	DF3052BF25V	FQFP	100	H8
126	DF3052BF125V	FQFP	100	H8
127	DF3052BX25V	TFQFP	100	H8
128	DF3062BF25V	FQFP	100	H8
129	DF3062BFBL25V	FQFP	100	H8
130	DF3062BF125COV	FQFP	100	H8
131	DF3062BF125QV	FQFP	100	H8
132	DF3062BFP25QV	QFP	100	H8
133	DF3064BF25V	FQFP	100	H8
134	DF3064BFBL25V	FQFP	100	H8
135	DF3068F25V	FQFP	100	H8
136	DF3068FP25V	QFP	100	H8
137	DF3069RF25V	FQFP	100	H8
138	DF3069RF25WV	FQFP	100	H8
139	DF3069RX25V	TFQFP	100	H8
140	DF3069RX25WV	TFQFP	100	H8
141	DF36012FPV	LFQFP	64	H8
142	DF36012FXV	LQFP	48	H8
143	DF36012FXWV	LQFP	48	H8
144	DF36012FYV	LFQFP	48	H8
145	DF36012FYWV	LFQFP	48	H8
146	DF36012GFXV	LQFP	48	H8
147	DF36012GFYWV	LFQFP	48	H8
148	DF36014FPV	LFQFP	64	H8
149	DF36014FPWV	LFQFP	64	H8
150	DF36014FXV	LQFP	48	H8
151	DF36014FXWV	LQFP	48	H8
152	DF36014FYV	LFQFP	48	H8
153	DF36014FYWV	LFQFP	48	H8
154	DF36014GFPV	LFQFP	64	H8
155	DF36014GFXV	LQFP	48	H8
156	DF36014GFYV	LFQFP	48	H8
157	DF36024FPV	LFQFP	64	H8
158	DF36024FXV	LQFP	48	H8
159	DF36024FYV	LFQFP	48	H8
160	DF36024GFPV	LFQFP	64	H8
161	DF36024GFYV	LFQFP	48	H8
162	DF36049GHV	QFP	80	H8
163	DF36049GHWV	QFP	80	H8
164	DF36049HV	QFP	80	H8
165	DF36049HWV	QFP	80	H8
166	DF38076RH10V	QFP	80	H8
167	DF38076RH10WV	QFP	80	H8
168	DF38076RH4V	QFP	80	H8
169	DF38124WV	TFQFP	80	H8
170	DF38076RW4V	TFQFP	80	H8
171	DF38102FPV	LFQFP	64	H8
172	DF38102FPWV	LFQFP	64	H8
173	DF38102HV	QFP	64	H8
174	DF38104FPV	LFQFP	64	H8
175	DF38104FPWV	LFQFP	64	H8
176	DF38104HV	QFP	64	H8
177	DF38104HWV	QFP	64	H8
178	DF38324HV	QFP	80	H8
179	DF38324HWV	QFP	80	H8
180	DF38324WV	TFQFP	80	H8

No.	Part Number	Package Type	Number of Pins	Family
181	DF38324WWV	TFQFP	80	H8
182	DF38327HV	QFP	80	H8
183	DF38327HWV	QFP	80	H8
184	DF38327WV	TFQFP	80	H8
185	DF38327WWV	TFQFP	80	H8
186	DF38344HV	FQFP	100	H8
187	DF38344XV	TFQFP	100	H8
188	DF38347HV	FQFP	100	H8
189	DF38347HWV	FQFP	100	H8
190	DF38347WV	TFQFP	100	H8
191	DF38347XV	TFQFP	100	H8
192	DF38427HV	QFP	80	H8
193	DF38447HV	FQFP	100	H8
194	DF2360VTE34V	TFQFP	120	H8S
195	DF2362VTE34V	TFQFP	120	H8S
196	DF2364VTE34V	TFQFP	120	H8S
197	DF38776W10V	TFQFP	80	H8
198	DF38776W4V	TFQFP	80	H8
199	DF38976HV	QFP	80	H8
200	DF39014GFXV	LQFP	48	H8
201	DF39049GPDHXV	QFP	80	H8
202	DF61653N50FTV	TFQFP	120	H8SX
203	DF61654N50FTV	TFQFP	120	H8SX
204	DF61654W50FTV	TFQFP	120	H8SX
205	DF61656CN35FTV	TFQFP	120	H8SX
206	DF61657BN35FTV	TFQFP	120	H8SX
207	DF61657CN35FTV	TFQFP	120	H8SX
208	DF61657CW35FTV	TFQFP	120	H8SX
209	DF70834AD80FTV	TFQFP	100	SH
210	DF70834AN80FTV	TFQFP	100	SH
211	DF70835AD80FTV	TFQFP	100	SH
212	DF70835AN80FTV	TFQFP	100	SH
213	DF71240AN50FPV	LQFP	48	SH
214	DF71241AN50FPV	LQFP	48	SH
215	DF71242D50FPV#Z1	LQFP	48	SH
216	DF71242N50FPV#G1	LQFP	48	SH
217	DF71242N50FPV#Z1	LQFP	48	SH
218	DF71243D50FPV#Z1	LQFP	48	SH
219	DF71243N50FPV#Z1	LQFP	48	SH
220	DM70834AD***FTV	TFQFP	100	SH
221	G71242D***FPV#G1	LQFP	48	SH
222	G71242D***FPV#Z1	LQFP	48	SH
223	G71243D***FPV#G1	LQFP	48	SH
224	G71243D***FPV#Z1	LQFP	48	SH
225	HD64F3664FPV	LFQFP	64	H8
226	HD64F3664FPV	LFQFP	64	H8
227	HD64F3664FXV	LQFP	48	H8
228	HD64F3664FXV	LQFP	48	H8
229	HD64F3664FYV	LFQFP	48	H8
230	HD64F3664FYV	LFQFP	48	H8
231	HD64F3664HV	QFP	64	H8
232	HD64F3670FPV	LFQFP	64	H8
233	HD64F3670FXV	LQFP	48	H8
234	HD64F3670FYV	LFQFP	48	H8
235	HD64F3672FPV	LFQFP	64	H8
236	HD64F3672FPV	LFQFP	64	H8
237	HD64F3672FXV	LQFP	48	H8
238	HD64F3672FXV	LQFP	48	H8
239	HD64F3672FYV	LFQFP	48	H8
240	HD64F3684FPV	LFQFP	64	H8
241	HD64F3684GFPIV	LFQFP	64	H8

No.	Part Number	Package Type	Number of Pins	Family
242	HD64F3684GFPV	LFQFP	64	H8
243	HD64F3684GHV	QFP	64	H8
244	HD64F3684HV	QFP	64	H8
245	HD64F3687FPIV	LFQFP	64	H8
246	HD64F3687FPV	LFQFP	64	H8
247	HD64F3687GFPIV	LFQFP	64	H8
248	HD64F3687GFPV	LFQFP	64	H8
249	HD64F3687GHV	QFP	64	H8
250	HD64F3687HV	QFP	64	H8

(2) Affected Part Number (Before change :die-bond material B, After change :die-bond material C)

No.	Part Number	Package Type	Number of Pins	Family
1	DF2117RVPT20HV	TFQFP	144	H8S
2	DF2117RVT20DHV	TFQFP	144	H8S
3	DF2117RVT20V	TFQFP	144	H8S
4	DF2117VPT28DHV	TFQFP	144	H8S
5	DF2117VT20HV	TFQFP	144	H8S
6	DF2166VT33V	TFQFP	144	H8S
7	DF2166VT33WV	TFQFP	144	H8S
8	DF2167VT33V	TFQFP	144	H8S
9	DF2168VT33V	TFQFP	144	H8S
10	DF71250AD50FPV	LFQFP	64	SH
11	DF71250AN50FPV	LFQFP	64	SH
12	DF71251AD50FPV	LFQFP	64	SH
13	DF71251AN50FPV	LFQFP	64	SH
14	DF71252D50FAV#Z1	QFP	64	SH
15	DF71252D50FPV#Z1	LFQFP	64	SH
16	DF71252N50FAV#Z1	QFP	64	SH
17	DF71252N50FPV#Z1	LFQFP	64	SH
18	DF71253D50FAV#Z1	QFP	64	SH
19	DF71253D50FPV#G1	LFQFP	64	SH
20	DF71253D50FPV#Z1	LFQFP	64	SH
21	DF71253N50FAV#G1	QFP	64	SH
22	DF71253N50FAV#Z1	QFP	64	SH
23	DF71253N50FPV#G1	LFQFP	64	SH
24	DF71253N50FPV#Z1	LFQFP	64	SH
25	DF71313AD80FPV	LQFP	80	SH
26	DF71314AD80FPV	LQFP	80	SH
27	DF71323AD80FPV	LFQFP	100	SH
28	DF71323AD80FPV#GZ	LFQFP	100	SH
29	DF71324AD80FPV	LFQFP	100	SH
30	DF71324AD80FPV#GZ	LFQFP	100	SH
31	DF71364AD80FPV	LQFP	80	SH
32	DF71364AN80FPV	LQFP	80	SH
33	DF71374AD80FPV	LFQFP	100	SH
34	DF71374AD80FPV#GZ	LFQFP	100	SH
35	DF71374AD80FPV#ZB	LFQFP	100	SH
36	DF71374AN80FPV	LFQFP	100	SH
37	DF71374AN80FPV#GZ	LFQFP	100	SH
38	DF71464AD80FPV	LQFP	80	SH
39	DF71464AD80FPV#GZ	LQFP	80	SH
40	DF71464AN80FPV	LQFP	80	SH
41	DF71464AN80FPV#GZ	LQFP	80	SH
42	DF71494AD80FPV	LFQFP	100	SH
43	DF71494AD80FPV#GZ	LFQFP	100	SH
44	DF71494AN80FPV	LFQFP	100	SH
45	DF71494AN80FPV#GZ	LFQFP	100	SH
46	DM71494BD***FPV	LFQFP	100	SH
47	DM71494BN***FPV	LFQFP	100	SH
48	DM74944BY***FPV	LQFP	80	SH
49	F71252D***FPV#Z1	LFQFP	64	SH
50	F71252D***FPV#G1	LFQFP	64	SH
51	G71253A***FAV # Z1	QFP	64	SH
52	G71253D***FPV#Z1	LFQFP	64	SH
53	R4F20102DFA#U0	LFQFP	64	H8
54	R4F20102NFA#G0	LFQFP	64	H8
55	R4F20102NFA#G1	LFQFP	64	H8
56	R4F20102NFA#U0	LFQFP	64	H8
57	R4F20102NFA#U1	LFQFP	64	H8
58	R4F20102RDFA#V0	LFQFP	64	H8
59	R4F20103DFA#20	LFQFP	64	H8

No.	Part Number	Package Type	Number of Pins	Family
60	R4F20103DFA#U0	LFQFP	64	H8
61	R4F20103NFA#20	LFQFP	64	H8
62	R4F20103NFA#U0	LFQFP	64	H8
63	R4F20103NFB#U0	LQFP	64	H8
64	R4F20103RDFA#V0	LFQFP	64	H8
65	R4F20103RNFA#V0	LFQFP	64	H8
66	R4F20115DFA#U0	LFQFP	64	H8
67	R4F20115NFA#U0	LFQFP	64	H8
68	R4F20115RNFA#V0	LFQFP	64	H8
69	R4F20202DFD#20	LQFP	80	H8
70	R4F20202DFD#U0	LQFP	80	H8
71	R4F20202NFD#U0	LQFP	80	H8
72	R4F20202RDFD#V0	LQFP	80	H8
73	R4F20203DFD#20	LQFP	80	H8
74	R4F20203DFD#G0	LQFP	80	H8
75	R4F20203DFD#U0	LQFP	80	H8
76	R4F20203NFD#00	LQFP	80	H8
77	R4F20203NFD#20	LQFP	80	H8
78	R4F20203NFD#U0	LQFP	80	H8
79	R4F20203RNFD#H0	LQFP	80	H8
80	R4F20203RNFD#V0	LQFP	80	H8
81	R4F20214DFD#20	LQFP	80	H8
82	R4F20214DFD#G0	LQFP	80	H8
83	R4F20214DFD#U0	LQFP	80	H8
84	R4F20214NFD#20	LQFP	80	H8
85	R4F20214NFD#U0	LQFP	80	H8
86	R4F20214RNFD#V0	LQFP	80	H8
87	R4F20215NFD#U0	LQFP	80	H8
88	R4F20215RNFD#V0	LQFP	80	H8
89	R4F20215YFD#U0	LQFP	80	H8
90	R4F20223DFD#U0	LQFP	80	H8
91	R4F20223NFD#U0	LQFP	80	H8
92	R4F20223RDFD#V0	LQFP	80	H8
93	R4F20223RNFD#V0	LQFP	80	H8
94	R4F20234NFD#U0	LQFP	80	H8
95	R4F20235NFD#U0	LQFP	80	H8
96	R4F20322RNFE#V0	LFQFP	100	H8
97	R4F20323RNFE#V0	LFQFP	100	H8
98	R4F20335RDFE#H0	LFQFP	100	H8
99	R4F20335RDFE#V0	LFQFP	100	H8
100	R4F20335RNFE#V0	LFQFP	100	H8
101	R4F2113DFT#U0	TFQFP	144	H8S
102	R4F2113NFT#U0	TFQFP	144	H8S
103	R5F72433D100FP#U0	LFQFP	100	SH
104	R5F72433N100FP#U0	LFQFP	100	SH
105	R5F72434D100FP#G0	LFQFP	100	SH
106	R5F72434D100FP#U0	LFQFP	100	SH
107	R5F72434N100FP#U0	LFQFP	100	SH
108	R5F72434N100FP#UC	LFQFP	100	SH
109	R5F74974D100FP#G0	LFQFP	100	SH
110	R5F74974D100FP#U0	LFQFP	100	SH
111	R5G72434D***FP#U0	LFQFP	100	SH
112	R5G72434D***FP#G0	LFQFP	100	SH