



Cypress Semiconductor Corporation – An Infineon Technologies Company  
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## PRODUCT INFORMATION NOTIFICATION

**PIN:** PIN210902

**Date:** March 08, 2021

**Subject:** Datasheet Change to Voltage Ramp Down for Automotive PSoC® 4 Products: PSoC 4000S and PSoC 4100S Families

**To:**

### Product Information:

This notification is to inform customers of the voltage ramp down requirement in the datasheets of Automotive PSoC 4000S and PSoC 4100S products. This requirement prevents flash issues that can occur, under rare conditions, with slow voltage ramps.

Product	Document Number	Page	Section	Spec ID	From	To
PSoC 4000S	002-18381	21	Power-on Reset (POR)	SID.CLK#6	At power-up	On power-up & power-down
PSoC 4100S	002-15106	30	Power-on Reset (POR)	SID.CLK#6	At power-up	On power-up & power-down

### Part Numbers Affected: 186

See the attached 'Affected Parts List' file for a list of part numbers affected by this change.

### Implementation Date:

Revised datasheets are now live on [www.cypress.com](http://www.cypress.com). Please visit the corresponding product page to download the latest copy.

### Anticipated Impact:

There is no change to the product. Products manufactured with revised datasheet parameters are completely compatible with existing product from form, fit, functional, parametric, and quality performance perspectives.

Cypress recommends that customers take this opportunity to review the datasheet change against current application notes, system design considerations, and customer environment conditions to assess impact (if any) to their application.

**Response Required:**

This is an information only announcement. No response is required.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at [pcn\\_adm@cypress.com](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Family
1	00003648291	Auto PSoC
2	00003648291X	Auto PSoC
3	00003838277	Auto PSoC
4	00003838277X	Auto PSoC
5	13916592	Auto PSoC
6	13916592X	Auto PSoC
7	2AP-00924TA	Auto PSoC
8	3050209A	Auto PSoC
9	3050209AX	Auto PSoC
10	51-42399Z01	Auto PSoC
11	71.38402.001AG	Auto PSoC
12	90600000055A	Auto PSoC
13	90600000056A	Auto PSoC
14	A2C03632600	Auto PSoC
15	A2C03632600X	Auto PSoC
16	CA00001AA	Auto PSoC
17	CA00001AAT	Auto PSoC
18	CG4124PVE-S422	Auto PSoC
19	CY8C4024LQA-S411	Auto PSoC
20	CY8C4024LQA-S411ES	Auto PSoC
21	CY8C4024LQA-S411T	Auto PSoC
22	CY8C4024LQS-S411	Auto PSoC
23	CY8C4024LQS-S411T	Auto PSoC
24	CY8C4024PVA-S412	Auto PSoC
25	CY8C4024PVA-S412T	Auto PSoC
26	CY8C4024PVS-S412	Auto PSoC
27	CY8C4024PVS-S412ES	Auto PSoC
28	CY8C4024PVS-S412T	Auto PSoC
29	CY8C4025LQA-S411	Auto PSoC
30	CY8C4025LQA-S411ES	Auto PSoC
31	CY8C4025LQA-S411T	Auto PSoC
32	CY8C4025LQS-S411	Auto PSoC
33	CY8C4025LQS-S411T	Auto PSoC
34	CY8C4025PVA-S412	Auto PSoC
35	CY8C4025PVA-S412T	Auto PSoC
36	CY8C4025PVS-S412	Auto PSoC
37	CY8C4025PVS-S412ES	Auto PSoC
38	CY8C4025PVS-S412T	Auto PSoC
39	CY8C4045LQA-S411	Auto PSoC
40	CY8C4045LQA-S411T	Auto PSoC
41	CY8C4045LQS-S411	Auto PSoC
42	CY8C4045LQS-S411ES	Auto PSoC
43	CY8C4045LQS-S411T	Auto PSoC
44	CY8C4045PVA-S412	Auto PSoC
45	CY8C4045PVA-S412T	Auto PSoC
46	CY8C4045PVS-S412	Auto PSoC
47	CY8C4045PVS-S412ES	Auto PSoC
48	CY8C4045PVS-S412T	Auto PSoC
49	CY8C4124LQA-S411	Auto PSoC

50	CY8C4124LQA-S411T	Auto PSoC
51	CY8C4124LQA-S413	Auto PSoC
52	CY8C4124LQA-S413T	Auto PSoC
53	CY8C4124LQA-S423	Auto PSoC
54	CY8C4124LQA-S423T	Auto PSoC
55	CY8C4124LQA-S431	Auto PSoC
56	CY8C4124LQA-S431T	Auto PSoC
57	CY8C4124LQA-S433	Auto PSoC
58	CY8C4124LQA-S433T	Auto PSoC
59	CY8C4124LQE-S411	Auto PSoC
60	CY8C4124LQE-S411T	Auto PSoC
61	CY8C4124LQE-S413	Auto PSoC
62	CY8C4124LQE-S413T	Auto PSoC
63	CY8C4124LQE-S423	Auto PSoC
64	CY8C4124LQE-S423T	Auto PSoC
65	CY8C4124LQE-S431	Auto PSoC
66	CY8C4124LQE-S431T	Auto PSoC
67	CY8C4124LQE-S433	Auto PSoC
68	CY8C4124LQE-S433T	Auto PSoC
69	CY8C4124LQS-S411	Auto PSoC
70	CY8C4124LQS-S411T	Auto PSoC
71	CY8C4124LQS-S413	Auto PSoC
72	CY8C4124LQS-S413T	Auto PSoC
73	CY8C4124LQS-S423	Auto PSoC
74	CY8C4124LQS-S423T	Auto PSoC
75	CY8C4124LQS-S431	Auto PSoC
76	CY8C4124LQS-S431T	Auto PSoC
77	CY8C4124LQS-S433	Auto PSoC
78	CY8C4124LQS-S433T	Auto PSoC
79	CY8C4124PVA-S412	Auto PSoC
80	CY8C4124PVA-S412T	Auto PSoC
81	CY8C4124PVA-S422	Auto PSoC
82	CY8C4124PVA-S422T	Auto PSoC
83	CY8C4124PVA-S432	Auto PSoC
84	CY8C4124PVA-S432T	Auto PSoC
85	CY8C4124PVE-S412	Auto PSoC
86	CY8C4124PVE-S412T	Auto PSoC
87	CY8C4124PVE-S422	Auto PSoC
88	CY8C4124PVE-S422T	Auto PSoC
89	CY8C4124PVE-S432	Auto PSoC
90	CY8C4124PVE-S432T	Auto PSoC
91	CY8C4124PVS-S412	Auto PSoC
92	CY8C4124PVS-S412T	Auto PSoC
93	CY8C4124PVS-S422	Auto PSoC
94	CY8C4124PVS-S422T	Auto PSoC
95	CY8C4124PVS-S432	Auto PSoC
96	CY8C4124PVS-S432T	Auto PSoC
97	CY8C4125LQA-S411	Auto PSoC
98	CY8C4125LQA-S411T	Auto PSoC
99	CY8C4125LQA-S413	Auto PSoC

100	CY8C4125LQA-S413T	Auto PSoC
101	CY8C4125LQA-S423	Auto PSoC
102	CY8C4125LQA-S423T	Auto PSoC
103	CY8C4125LQA-S431	Auto PSoC
104	CY8C4125LQA-S431T	Auto PSoC
105	CY8C4125LQA-S433	Auto PSoC
106	CY8C4125LQA-S433T	Auto PSoC
107	CY8C4125LQE-S411	Auto PSoC
108	CY8C4125LQE-S411T	Auto PSoC
109	CY8C4125LQE-S413	Auto PSoC
110	CY8C4125LQE-S413T	Auto PSoC
111	CY8C4125LQE-S423	Auto PSoC
112	CY8C4125LQE-S423T	Auto PSoC
113	CY8C4125LQE-S431	Auto PSoC
114	CY8C4125LQE-S431T	Auto PSoC
115	CY8C4125LQE-S433	Auto PSoC
116	CY8C4125LQE-S433T	Auto PSoC
117	CY8C4125LQS-S411	Auto PSoC
118	CY8C4125LQS-S411T	Auto PSoC
119	CY8C4125LQS-S413	Auto PSoC
120	CY8C4125LQS-S413T	Auto PSoC
121	CY8C4125LQS-S423	Auto PSoC
122	CY8C4125LQS-S423T	Auto PSoC
123	CY8C4125LQS-S431	Auto PSoC
124	CY8C4125LQS-S431T	Auto PSoC
125	CY8C4125LQS-S433	Auto PSoC
126	CY8C4125LQS-S433T	Auto PSoC
127	CY8C4125PVA-S412	Auto PSoC
128	CY8C4125PVA-S412T	Auto PSoC
129	CY8C4125PVA-S422	Auto PSoC
130	CY8C4125PVA-S422T	Auto PSoC
131	CY8C4125PVA-S432	Auto PSoC
132	CY8C4125PVA-S432T	Auto PSoC
133	CY8C4125PVE-S412	Auto PSoC
134	CY8C4125PVE-S412T	Auto PSoC
135	CY8C4125PVE-S422	Auto PSoC
136	CY8C4125PVE-S422T	Auto PSoC
137	CY8C4125PVE-S432	Auto PSoC
138	CY8C4125PVE-S432T	Auto PSoC
139	CY8C4125PVS-S412	Auto PSoC
140	CY8C4125PVS-S412T	Auto PSoC
141	CY8C4125PVS-S422	Auto PSoC
142	CY8C4125PVS-S422T	Auto PSoC
143	CY8C4125PVS-S432	Auto PSoC
144	CY8C4125PVS-S432T	Auto PSoC
145	CY8C4146LQA-S423	Auto PSoC
146	CY8C4146LQA-S423T	Auto PSoC
147	CY8C4146LQA-S431	Auto PSoC
148	CY8C4146LQA-S431T	Auto PSoC
149	CY8C4146LQA-S433	Auto PSoC

150	CY8C4146LQA-S433ES	Auto PSoC
151	CY8C4146LQA-S433EST	Auto PSoC
152	CY8C4146LQA-S433T	Auto PSoC
153	CY8C4146LQE-S423	Auto PSoC
154	CY8C4146LQE-S423T	Auto PSoC
155	CY8C4146LQE-S433	Auto PSoC
156	CY8C4146LQE-S433ES	Auto PSoC
157	CY8C4146LQE-S433T	Auto PSoC
158	CY8C4146LQS-S423	Auto PSoC
159	CY8C4146LQS-S423T	Auto PSoC
160	CY8C4146LQS-S431	Auto PSoC
161	CY8C4146LQS-S431T	Auto PSoC
162	CY8C4146LQS-S433	Auto PSoC
163	CY8C4146LQS-S433T	Auto PSoC
164	CY8C4146PVA-S422	Auto PSoC
165	CY8C4146PVA-S422T	Auto PSoC
166	CY8C4146PVA-S432	Auto PSoC
167	CY8C4146PVA-S432T	Auto PSoC
168	CY8C4146PVE-S422	Auto PSoC
169	CY8C4146PVE-S422ES	Auto PSoC
170	CY8C4146PVE-S422EST	Auto PSoC
171	CY8C4146PVE-S422T	Auto PSoC
172	CY8C4146PVE-S432	Auto PSoC
173	CY8C4146PVE-S432T	Auto PSoC
174	CY8C4146PVS-S422	Auto PSoC
175	CY8C4146PVS-S422T	Auto PSoC
176	CY8C4146PVS-S432	Auto PSoC
177	CY8C4146PVS-S432T	Auto PSoC
178	CP9025AT	Auto PSoC
179	CP9025ATT	Auto PSoC
180	CP9122AT	Auto PSoC
181	CP9122ATT	Auto PSoC
182	EAN66086501	Auto PSoC
183	P760543DFM0000	Auto PSoC
184	P760543D-FM0000	Auto PSoC
185	P760543DFM0000X	Auto PSoC
186	P760543D-FM0000X	Auto PSoC