

Information note

INF214604

Dear

With this Infineon Technologies AG Information Note we would like to inform you about the following

Datasheet change to Voltage Ramp Down for select PSoC® 4 products



On 16 April 2020, Infineon acquired Cypress.
We are now in the process of merging and consolidating our tools and processes for PCN, Information Notes, Errata and Product Discontinuance.
For further details, please visit our website:

<https://www.infineon.com/cms/en/about-infineon/company/cypress-acquisition/>

► **Products affected**

Please refer to attached affected product list [330]

► **Detailed change information**

Subject Datasheet change to Voltage Ramp Down for select PSoC® 4 products.

Reason This notification is to inform customers of a change to the voltage ramp down requirement in the datasheets of select PSoC® 4 products. This added requirement prevents flash issues that can occur, under rare conditions, with slow voltage ramps.

Description

Product	Doc. #	Page	Section / Spec ID	From	To
PSoC 4000	001-89638	21	Section: Power-on Reset (POR) Spec ID: SID.CLK#6	At power-up	On power-up & power-down
PSoC 4000S	002-00123	26			
PSoC 4100S	002-00122	28			
PSoC 4100S Plus	002-19966	31			
PSoC 4100S Plus 256K	002-26566	31			
PSoC 4100PS	002-22097	33			
PSoC 4200DS	001-98044	17			
PSoC 4500S	002-26354	30			
PSoC 4700S	002-20489	24			
PSoC Analog Coprocessor	001-96467	33			
CapSense MBR3	001-85330	25	Section: AC Electrical Specifications Spec ID: TSR_POWER_UP	Power supply slew rate during power-up	Power supply slew rate at power-up and power-down

► **Product identification**

No change in marketing part number.

► **Impact of change**

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.

Infineon also recommends that customers take this opportunity to review these changes against current application notes, system design considerations, and customer environment conditions to assess impact (if any) to their application.

▶ **Attachments**

Affected product list [330]

▶ **Intended start of delivery**

Revised datasheets are now live on www.cypress.com. Please visit the corresponding product page to download the latest copy.

If you have any questions, please do not hesitate to contact your local sales office.

[Information Note] N° [INF214604]
 Datasheet Change to Voltage Ramp Down for PSoC®
 4 Products



Item	Marketing Part Number	Family	Similar Part Number
1	CY8C4013LQI-411	PSOC	NA
2	CY8C4013LQI-411T	PSOC	NA
3	CY8C4013SXI-400	PSOC	NA
4	CY8C4013SXI-400T	PSOC	NA
5	CY8C4013SXI-410	PSOC	NA
6	CY8C4013SXI-410T	PSOC	NA
7	CY8C4013SXI-411	PSOC	NA
8	CY8C4013SXI-411T	PSOC	NA
9	CY8C4014FNI-421AT	PSOC	NA
10	CY8C4014LQI-412	PSOC	NA
11	CY8C4014LQI-412T	PSOC	NA
12	CY8C4014LQI-421	PSOC	NA
13	CY8C4014LQI-421T	PSOC	NA
14	CY8C4014LQI-422	PSOC	NA
15	CY8C4014LQI-422T	PSOC	NA
16	CY8C4014PVI-412	PSOC	NA
17	CY8C4014PVI-422	PSOC	NA
18	CY8C4014PVI-422T	PSOC	NA
19	CY8C4014SXI-420	PSOC	NA
20	CY8C4014SXI-420T	PSOC	NA
21	CY8C4014SXI-421	PSOC	NA
22	CY8C4014SXI-421T	PSOC	NA
23	CY8C4024AXI-S402	PSOC	NA
24	CY8C4024AXI-S412	PSOC	NA
25	CY8C4024AZI-S403	PSOC	NA
26	CY8C4024AZI-S403T	PSOC	NA
27	CY8C4024AZI-S413	PSOC	NA
28	CY8C4024AZI-S413T	PSOC	NA
29	CY8C4024AZQ-S413	PSOC	NA
30	CY8C4024FNI-S402T	PSOC	NA
31	CY8C4024FNI-S412T	PSOC	NA
32	CY8C4024LQI-S401	PSOC	NA
33	CY8C4024LQI-S401T	PSOC	NA
34	CY8C4024LQI-S402	PSOC	NA
35	CY8C4024LQI-S402T	PSOC	NA
36	CY8C4024LQI-S403	PSOC	NA
37	CY8C4024LQI-S403T	PSOC	NA
38	CY8C4024LQI-S411	PSOC	NA
39	CY8C4024LQI-S411T	PSOC	NA

40	CY8C4024LQI-S412	PSOC	NA
41	CY8C4024LQI-S412T	PSOC	NA
42	CY8C4024LQI-S413	PSOC	NA
43	CY8C4024LQI-S413T	PSOC	NA
44	CY8C4025AXI-S402	PSOC	NA
45	CY8C4025AXI-S412	PSOC	NA
46	CY8C4025AZI-S403	PSOC	NA
47	CY8C4025AZI-S403T	PSOC	NA
48	CY8C4025AZI-S413	PSOC	NA
49	CY8C4025AZI-S413T	PSOC	NA
50	CY8C4025AZQ-S403	PSOC	NA
51	CY8C4025AZQ-S413	PSOC	NA
52	CY8C4025FNI-S402T	PSOC	NA
53	CY8C4025FNI-S412T	PSOC	NA
54	CY8C4025LQI-S401	PSOC	NA
55	CY8C4025LQI-S401T	PSOC	NA
56	CY8C4025LQI-S402	PSOC	NA
57	CY8C4025LQI-S402T	PSOC	NA
58	CY8C4025LQI-S403	PSOC	NA
59	CY8C4025LQI-S411	PSOC	NA
60	CY8C4025LQI-S411T	PSOC	NA
61	CY8C4025LQI-S412	PSOC	NA
62	CY8C4025LQI-S412T	PSOC	NA
63	CY8C4025LQI-S413	PSOC	NA
64	CY8C4045AXI-S412	PSOC	NA
65	CY8C4045AZI-S413	PSOC	NA
66	CY8C4045AZI-S413T	PSOC	NA
67	CY8C4045AZQ-S413	PSOC	NA
68	CY8C4045FNI-DS402T	PSOC	NA
69	CY8C4045FNI-S412T	PSOC	NA
70	CY8C4045LQI-S411	PSOC	NA
71	CY8C4045LQI-S411T	PSOC	NA
72	CY8C4045LQI-S412	PSOC	NA
73	CY8C4045LQI-S412T	PSOC	NA
74	CY8C4045LQI-S413	PSOC	NA
75	CY8C4045PVI-DS402	PSOC	NA
76	CY8C4124AZI-S413	PSOC	NA
77	CY8C4124AZI-S413T	PSOC	NA
78	CY8C4124AZI-S433	PSOC	NA
79	CY8C4124AZI-S433T	PSOC	NA
80	CY8C4124FNI-S403T	PSOC	NA
81	CY8C4124FNI-S413T	PSOC	NA
82	CY8C4124FNI-S433T	PSOC	NA
83	CY8C4124LQI-S412	PSOC	NA
84	CY8C4124LQI-S412T	PSOC	NA
85	CY8C4124LQI-S413	PSOC	NA
86	CY8C4124LQI-S413T	PSOC	NA
87	CY8C4124LQI-S432	PSOC	NA

88	CY8C4124LQI-S432T	PSOC	NA
89	CY8C4124LQI-S433	PSOC	NA
90	CY8C4124LQI-S433T	PSOC	NA
91	CY8C4125AXI-S423	PSOC	NA
92	CY8C4125AXI-S433	PSOC	NA
93	CY8C4125AZI-PS423	PSOC	NA
94	CY8C4125AZI-S413	PSOC	NA
95	CY8C4125AZI-S413T	PSOC	NA
96	CY8C4125AZI-S423	PSOC	NA
97	CY8C4125AZI-S423T	PSOC	NA
98	CY8C4125AZI-S433	PSOC	NA
99	CY8C4125AZI-S433T	PSOC	NA
100	CY8C4125AZQ-S433	PSOC	NA
101	CY8C4125FNI-PS423T	PSOC	NA
102	CY8C4125FNI-S413T	PSOC	NA
103	CY8C4125FNI-S423T	PSOC	NA
104	CY8C4125FNI-S433T	PSOC	NA
105	CY8C4125LQI-PS423	PSOC	NA
106	CY8C4125LQI-S412	PSOC	NA
107	CY8C4125LQI-S412T	PSOC	NA
108	CY8C4125LQI-S413	PSOC	NA
109	CY8C4125LQI-S413T	PSOC	NA
110	CY8C4125LQI-S422	PSOC	NA
111	CY8C4125LQI-S422T	PSOC	NA
112	CY8C4125LQI-S423	PSOC	NA
113	CY8C4125LQI-S423T	PSOC	NA
114	CY8C4125LQI-S432	PSOC	NA
115	CY8C4125LQI-S432T	PSOC	NA
116	CY8C4125LQI-S433	PSOC	NA
117	CY8C4125LQI-S433T	PSOC	NA
118	CY8C4125LQQ-S432	PSOC	NA
119	CY8C4125PVI-PS421	PSOC	NA
120	CY8C4126AXI-S423	PSOC	NA
121	CY8C4126AXI-S433	PSOC	NA
122	CY8C4126AXI-S443	PSOC	NA
123	CY8C4126AXI-S445	PSOC	NA
124	CY8C4126AXI-S453	PSOC	NA
125	CY8C4126AXI-S455	PSOC	NA
126	CY8C4126AXQ-S433	PSOC	NA
127	CY8C4126AZI-S423	PSOC	NA
128	CY8C4126AZI-S423T	PSOC	NA
129	CY8C4126AZI-S433	PSOC	NA
130	CY8C4126AZI-S433T	PSOC	NA
131	CY8C4126AZI-S445	PSOC	NA
132	CY8C4126AZI-S455	PSOC	NA
133	CY8C4126AZQ-S423	PSOC	NA
134	CY8C4126AZQ-S433	PSOC	NA
135	CY8C4127AXI-S443	PSOC	NA

136	CY8C4127AXI-S445	PSOC	NA
137	CY8C4127AXI-S453	PSOC	NA
138	CY8C4127AXI-S455	PSOC	NA
139	CY8C4127AZI-S443	PSOC	NA
140	CY8C4127AZI-S445	PSOC	NA
141	CY8C4127AZI-S453	PSOC	NA
142	CY8C4127AZI-S455	PSOC	NA
143	CY8C4127AZQ-S445	PSOC	NA
144	CY8C4127AZQ-S455	PSOC	NA
145	CY8C4128AXI-S445	PSOC	NA
146	CY8C4128AXI-S455	PSOC	NA
147	CY8C4128AZI-S443	PSOC	NA
148	CY8C4128AZI-S445	PSOC	NA
149	CY8C4128AZI-S453	PSOC	NA
150	CY8C4128AZI-S455	PSOC	NA
151	CY8C4145AXI-S423	PSOC	NA
152	CY8C4145AXI-S433	PSOC	NA
153	CY8C4145AXQ-S433	PSOC	NA
154	CY8C4145AZI-PS423	PSOC	NA
155	CY8C4145AZI-PS433	PSOC	NA
156	CY8C4145AZI-S423	PSOC	NA
157	CY8C4145AZI-S423T	PSOC	NA
158	CY8C4145AZQ-S433	PSOC	NA
159	CY8C4145FNI-PS423T	PSOC	NA
160	CY8C4145FNI-PS433T	PSOC	NA
161	CY8C4145FNQ-PS423T	PSOC	NA
162	CY8C4145FNQ-PS433T	PSOC	NA
163	CY8C4145LQI-PS423	PSOC	NA
164	CY8C4145LQI-PS433	PSOC	NA
165	CY8C4145PVI-PS421	PSOC	NA
166	CY8C4145PVI-PS431	PSOC	NA
167	CY8C4146AXI-S423	PSOC	NA
168	CY8C4146AXI-S433	PSOC	NA
169	CY8C4146AXI-S443	PSOC	NA
170	CY8C4146AXI-S445	PSOC	NA
171	CY8C4146AXI-S453	PSOC	NA
172	CY8C4146AXI-S455	PSOC	NA
173	CY8C4146AXQ-S423	PSOC	NA
174	CY8C4146AXQ-S433	PSOC	NA
175	CY8C4146AZI-S423	PSOC	NA
176	CY8C4146AZI-S423T	PSOC	NA
177	CY8C4146AZI-S433	PSOC	NA
178	CY8C4146AZI-S433T	PSOC	NA
179	CY8C4146AZI-S443	PSOC	NA
180	CY8C4146AZI-S443T	PSOC	NA
181	CY8C4146AZI-S445	PSOC	NA
182	CY8C4146AZI-S453	PSOC	NA
183	CY8C4146AZI-S455	PSOC	NA

184	CY8C4146AZI-S463	PSOC	NA
185	CY8C4146AZQ-S423	PSOC	NA
186	CY8C4146AZQ-S433	PSOC	NA
187	CY8C4146AZQ-S445	PSOC	NA
188	CY8C4146AZQ-S455	PSOC	NA
189	CY8C4146FNI-S423T	PSOC	NA
190	CY8C4146FNI-S433T	PSOC	NA
191	CY8C4146FNI-S443T	PSOC	NA
192	CY8C4146LQI-S422	PSOC	NA
193	CY8C4146LQI-S422T	PSOC	NA
194	CY8C4146LQI-S423	PSOC	NA
195	CY8C4146LQI-S423T	PSOC	NA
196	CY8C4146LQI-S432	PSOC	NA
197	CY8C4146LQI-S432T	PSOC	NA
198	CY8C4146LQI-S433	PSOC	NA
199	CY8C4146LQI-S433T	PSOC	NA
200	CY8C4146LQQ-S422	PSOC	NA
201	CY8C4146LQQ-S432	PSOC	NA
202	CY8C4146WI-S423	PSOC	NA
203	CY8C4147AXI-S443	PSOC	NA
204	CY8C4147AXI-S445	PSOC	NA
205	CY8C4147AXI-S453	PSOC	NA
206	CY8C4147AXI-S455	PSOC	NA
207	CY8C4147AXI-S465	PSOC	NA
208	CY8C4147AXI-S475	PSOC	NA
209	CY8C4147AZI-S443	PSOC	NA
210	CY8C4147AZI-S445	PSOC	NA
211	CY8C4147AZI-S453	PSOC	NA
212	CY8C4147AZI-S453T	PSOC	NA
213	CY8C4147AZI-S455	PSOC	NA
214	CY8C4147AZI-S463	PSOC	NA
215	CY8C4147AZI-S465	PSOC	NA
216	CY8C4147AZI-S475	PSOC	NA
217	CY8C4147AZQ-S445	PSOC	NA
218	CY8C4147AZQ-S455	PSOC	NA
219	CY8C4147AZQ-S465	PSOC	NA
220	CY8C4147AZQ-S475	PSOC	NA
221	CY8C4147WI-S445	PSOC	NA
222	CY8C4147WI-S455	PSOC	NA
223	CY8C4148AXI-S445	PSOC	NA
224	CY8C4148AXI-S455	PSOC	NA
225	CY8C4148AXQ-S445	PSOC	NA
226	CY8C4148AXQ-S455	PSOC	NA
227	CY8C4148AZI-S443	PSOC	NA
228	CY8C4148AZI-S445	PSOC	NA
229	CY8C4148AZI-S453	PSOC	NA
230	CY8C4148AZI-S455	PSOC	NA
231	CY8C4148AZI-S455T	PSOC	NA

232	CY8C4148AZQ-S443	PSOC	NA
233	CY8C4148AZQ-S445	PSOC	NA
234	CY8C4148AZQ-S453	PSOC	NA
235	CY8C4148AZQ-S455	PSOC	NA
236	CY8C4245FNI-DS402T	PSOC	NA
237	CY8C4245PVI-DS402	PSOC	NA
238	CY8C4245PVI-DS402T	PSOC	NA
239	CY8C4246FNI-DS402T	PSOC	NA
240	CY8C4246PVI-DS402	PSOC	NA
241	CY8C4546AXI-S475	PSOC	NA
242	CY8C4546AZI-S473	PSOC	NA
243	CY8C4546AZI-S475	PSOC	NA
244	CY8C4547AXI-S475	PSOC	NA
245	CY8C4547AXQ-S475	PSOC	NA
246	CY8C4547AZI-445	PSOC	NA
247	CY8C4547AZI-S453	PSOC	NA
248	CY8C4547AZI-S455	PSOC	NA
249	CY8C4547AZI-S463	PSOC	NA
250	CY8C4547AZI-S465	PSOC	NA
251	CY8C4547AZI-S473	PSOC	NA
252	CY8C4547AZI-S475	PSOC	NA
253	CY8C4547AZQ-S453	PSOC	NA
254	CY8C4547AZQ-S455	PSOC	NA
255	CY8C4547AZQ-S473	PSOC	NA
256	CY8C4547AZQ-S475	PSOC	NA
257	CY8C4548AXI-S475	PSOC	NA
258	CY8C4548AXI-S485	PSOC	NA
259	CY8C4548AXQ-S485	PSOC	NA
260	CY8C4548AZI-S475	PSOC	NA
261	CY8C4548AZI-S483	PSOC	NA
262	CY8C4548AZI-S485	PSOC	NA
263	CY8C4548AZQ-S483	PSOC	NA
264	CY8C4548AZQ-S485	PSOC	NA
265	CY8C4724FNI-S402T	PSOC	NA
266	CY8C4724LQI-S401	PSOC	NA
267	CY8C4725FNI-S402T	PSOC	NA
268	CY8C4725LQI-S401	PSOC	NA
269	CY8C4744AZI-S403	PSOC	NA
270	CY8C4744FNI-S402T	PSOC	NA
271	CY8C4744LQI-S401	PSOC	NA
272	CY8C4745AZI-S403	PSOC	NA
273	CY8C4745AZI-S413	PSOC	NA
274	CY8C4745FNI-S402T	PSOC	NA
275	CY8C4745FNI-S412T	PSOC	NA
276	CY8C4745LQI-S401	PSOC	NA
277	CY8C4745LQI-S411	PSOC	NA
278	CY8C4A45AZI-483	PSOC	NA
279	CY8C4A45FNI-483T	PSOC	NA

280	CY8C4A45LQI-483	PSOC	NA
281	CY8C4A45PVI-481	PSOC	NA
282	CY8CMBR3002-SX1I	PSOC	NA
283	CY8CMBR3002-SX1IT	PSOC	NA
284	CY8CMBR3102-SX1I	PSOC	NA
285	CY8CMBR3102-SX1IT	PSOC	NA
286	CY8CMBR3106S-LQXI	PSOC	NA
287	CY8CMBR3106S-LQXIT	PSOC	NA
288	CY8CMBR3108-LQXI	PSOC	NA
289	CY8CMBR3108-LQXIT	PSOC	NA
290	CY8CMBR3110-SX2I	PSOC	NA
291	CY8CMBR3110-SX2IT	PSOC	NA
292	CY8CMBR3116-LQXI	PSOC	NA
293	CY8CMBR3116-LQXIT	PSOC	NA
294	CG10088AFT	PSOC	CY8C4745FNI-S412T
295	CG10117AT	PSOC	CY8C4126AZI-S455
296	CG10176AA	PSOC	CY8C4014LQI-422
297	CG10176AAT	PSOC	CY8C4014LQI-422T
298	CG10183AT	PSOC	CY8C4146AZI-S443
299	CG10183ATT	PSOC	CY8C4146AZI-S443T
300	CG8164BA	PSOC	CY8CMBR3145-LQXI
301	CG8164BAT	PSOC	CY8CMBR3145-LQXIT
302	CG8341AM	PSOC	CY8C4014SXI-421
303	CG8341AMT	PSOC	CY8C4014SXI-421T
304	CG8356AA	PSOC	CY8CMBR3175-LQXI
305	CG8356AAT	PSOC	CY8CMBR3175-LQXIT
306	CG8360AM	PSOC	CY8C4014LQI-422
307	CG8360AMT	PSOC	CY8C4014LQI-422T
308	CG8609AM	PSOC	CY8C4014LQI-421
309	CG8609AMT	PSOC	CY8C4014LQI-421T
310	CG8784AM	PSOC	CY8C4125AZI-S423
311	CG8784AMT	PSOC	CY8C4125AZI-S423T
312	CG9030AT	PSOC	CY8C4127AXI-S455
313	CG9031AT	PSOC	CY8C4147AXI-S455
314	CG9114AT	PSOC	CY8C4147AZI-S455
315	CP10160ATT	PSOC	CY8C4146FNI-S423T
316	CP10172AT	PSOC	CY8C4014PVI-422
317	CP10172ATT	PSOC	CY8C4014PVI-422T
318	CP3155T	PSOC	CY8C4014LQI-421T
319	CP8363AT	PSOC	CY8C4014LQI-422
320	CP8363ATT	PSOC	CY8C4014LQI-422T
321	CP8386AT	PSOC	CY8C4014LQI-421
322	CP8386ATT	PSOC	CY8C4014LQI-421T
323	CP8742AT	PSOC	CY8C4025LQI-S412
324	CP8742ATT	PSOC	CY8C4025LQI-S412T
325	CP8809ATT	PSOC	CY8C4014FNI-421AT
326	CP8810ATT	PSOC	CY8C4014FNI-421AT
327	CS8750AM	PSOC	CY8C4024LQI-S401

328	CS8750AMT	PSOC	CY8C4024LQI-S401T
329	CS8807AM	PSOC	CY8C4024LQI-S402
330	CS8807AMT	PSOC	CY8C4024LQI-S402T