

Information note

INF214604

Dear

FUTURE ELECTRONICS
FUTURE ELE
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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/>

Cypress Semiconductor Corporation – An Infineon Technologies AG company,
198 Champion Court San Jose, CA 95134. Tel: (408) 943-2600

► **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.



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



Item	Marketing Part Number	Family	Similar Part Number
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	CY8C4024A I-S403	PSOC	NA
26	CY8C4024A I-S403T	PSOC	NA
27	CY8C4024A I-S413	PSOC	NA
28	CY8C4024A I-S413T	PSOC	NA
29	CY8C4024A Q-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	CY8C4025A I-S403	PSOC	NA
47	CY8C4025A I-S403T	PSOC	NA
48	CY8C4025A I-S413	PSOC	NA
49	CY8C4025A I-S413T	PSOC	NA
50	CY8C4025A Q-S403	PSOC	NA
51	CY8C4025A Q-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	CY8C4045A I-S413	PSOC	NA