

Product/process change notification

PCN222902

Please find attached our Infineon Technologies AG PCN:

Change of backend of line (BEOL) metallization at Cypress Semiconductor Corporation (Fab 25), Austin, USA for PSoC® 4100M and PSoC® 4200M products

Important information for your attention:

- Please respond to this PCN by indicating your decision on the approval form, sign it and return to your sales partner before **01 Sep 2022**
- Infineon aligns with the widely-recognized JEDEC STANDARD “**JESD46**“, which stipulates:
“**Lack of acknowledgement of the PCN within 30 days constitutes acceptance of the change.**”

Your prompt reply will help Infineon Technologies to assure a smooth and well executed transition. If Infineon does not hear from your side by the due date, we will assume your full acceptance to this proposed change and its implementation.

Your attention and response to this matter is greatly appreciated.



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 [48]

► **Detailed change information:**

Subject: Change of backend of line (BEOL) metallization at Cypress Semiconductor Corporation (Fab 25), Austin, USA for PSoC® 4100 and PSoC® 4200 products.

Reason: Flexible manufacturing initiative.

Description:	<u>Old</u>	<u>New</u>
	<ul style="list-style-type: none"> ■ Aluminum (Al) Backend of Line (BEOL) Metallization 	<ul style="list-style-type: none"> ■ Copper (Cu) Backend of Line (BEOL) Metallization

► **Product identification:** Traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package.

► **Impact of change:** No impact on electrical performance. Quality and Reliability verified by qualification. There is no change in form, fit and function.

► **Attachments:** Affected product list [48]
Supporting document

► **Time schedule:**

■ Final qualification report:	available
■ First samples available:	on request
■ Intended start of delivery:	2022-10-23

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

[Product Change Notification] N° [PCN222902]

Change of backend of line (BEOL) metallization at Cypress Semiconductor Corporation (Fab 25),
Austin, USA for PSoC® 4100M and PSoC® 4200M products



Item	Marketing Part Number	Family	Sample Order Part Number	Sample Availability
1	CY8C4125AXI-M445	PSoC 4100M / PSoC 4200M	CY8C4125AXI7-M445	Subject to lead time
2	CY8C4125AXI-M445T	PSoC 4100M / PSoC 4200M	CY8C4125AXI7-M445	Subject to lead time
3	CY8C4125AZI-M433	PSoC 4100M / PSoC 4200M	CY8C4125AZI7-M433	Subject to lead time
4	CY8C4125AZI-M443	PSoC 4100M / PSoC 4200M	CY8C4125AZI7-M443	Subject to lead time
5	CY8C4125AZI-M445	PSoC 4100M / PSoC 4200M	CY8C4125AZI7-M445	Subject to lead time
6	CY8C4125LTI-M445	PSoC 4100M / PSoC 4200M	CY8C4125LTI7-M445	Subject to lead time
7	CY8C4126AXI-M443	PSoC 4100M / PSoC 4200M	CY8C4126AXI7-M443	Subject to lead time
8	CY8C4126AXI-M443T	PSoC 4100M / PSoC 4200M	CY8C4126AXI7-M443	Subject to lead time
9	CY8C4126AXI-M445	PSoC 4100M / PSoC 4200M	CY8C4126AXI7-M445	Subject to lead time
10	CY8C4126AZI-M443	PSoC 4100M / PSoC 4200M	CY8C4126AZI7-M443	Subject to lead time
11	CY8C4126AZI-M445	PSoC 4100M / PSoC 4200M	CY8C4126AZI7-M445	Subject to lead time
12	CY8C4126AZI-M475	PSoC 4100M / PSoC 4200M	CY8C4126AZI7-M475	Subject to lead time
13	CY8C4126LTI-M445	PSoC 4100M / PSoC 4200M	CY8C4126LTI7-M445	Subject to lead time
14	CY8C4126LTI-M475	PSoC 4100M / PSoC 4200M	CY8C4126LTI7-M475	Subject to lead time
15	CY8C4127AXI-M485	PSoC 4100M / PSoC 4200M	CY8C4127AXI7-M485	Subject to lead time
16	CY8C4127AZI-M475	PSoC 4100M / PSoC 4200M	CY8C4127AZI7-M475	Subject to lead time
17	CY8C4127AZI-M485	PSoC 4100M / PSoC 4200M	CY8C4127AZI7-M485	Subject to lead time
18	CY8C4127LTI-M475	PSoC 4100M / PSoC 4200M	CY8C4127LTI7-M475	Subject to lead time
19	CY8C4245AXI-M445	PSoC 4100M / PSoC 4200M	CY8C4245AXI7-M445	Subject to lead time
20	CY8C4245AZI-M433	PSoC 4100M / PSoC 4200M	CY8C4245AZI7-M433	Subject to lead time
21	CY8C4245AZI-M443	PSoC 4100M / PSoC 4200M	CY8C4245AZI7-M443	Subject to lead time
22	CY8C4245AZI-M445	PSoC 4100M / PSoC 4200M	CY8C4245AZI7-M445	Subject to lead time
23	CY8C4245LTI-DM405	PSoC 4100M / PSoC 4200M	CY8C4245LTI7-DM405	Available
24	CY8C4245LTI-DM405T	PSoC 4100M / PSoC 4200M	CY8C4245LTI7-DM405	Subject to lead time
25	CY8C4245LTI-M445	PSoC 4100M / PSoC 4200M	CY8C4245LTI7-M445	Subject to lead time
26	CY8C4246AXI-M443	PSoC 4100M / PSoC 4200M	CY8C4246AXI7-M443	Subject to lead time
27	CY8C4246AXI-M443T	PSoC 4100M / PSoC 4200M	CY8C4246AXI7-M443	Subject to lead time
28	CY8C4246AXI-M445	PSoC 4100M / PSoC 4200M	CY8C4246AXI7-M445	Subject to lead time
29	CY8C4246AZI-M443	PSoC 4100M / PSoC 4200M	CY8C4246AZI7-M443	Available
30	CY8C4246AZI-M445	PSoC 4100M / PSoC 4200M	CY8C4246AZI7-M445	Available
31	CY8C4246AZI-M475	PSoC 4100M / PSoC 4200M	CY8C4246AZI7-M475	Subject to lead time
32	CY8C4246AZQ-M443	PSoC 4100M / PSoC 4200M	CY8C4246AZQ7-M443	Subject to lead time
33	CY8C4246LTI-DM405	PSoC 4100M / PSoC 4200M	CY8C4246LTI7-DM405	Subject to lead time

34	CY8C4246LTI-M445	PSoC 4100M / PSoC 4200M	CY8C4246LTI7-M445	Available
35	CY8C4246LTI-M475	PSoC 4100M / PSoC 4200M	CY8C4246LTI7-M475	Subject to lead time
36	CY8C4247AXI-M485	PSoC 4100M / PSoC 4200M	CY8C4247AXI7-M485	Available
37	CY8C4247AXQ-M485	PSoC 4100M / PSoC 4200M	CY8C4247AXQ7-M485	Subject to lead time
38	CY8C4247AZI-M475	PSoC 4100M / PSoC 4200M	CY8C4247AZI7-M475	Available
39	CY8C4247AZI-M475T	PSoC 4100M / PSoC 4200M	CY8C4247AZI7-M475	Subject to lead time
40	CY8C4247AZI-M485	PSoC 4100M / PSoC 4200M	CY8C4247AZI7-M485	Subject to lead time
41	CY8C4247AZQ-M485	PSoC 4100M / PSoC 4200M	CY8C4247AZQ7-M485	Subject to lead time
42	CY8C4247AZQ-M485T	PSoC 4100M / PSoC 4200M	CY8C4247AZQ7-M485	Subject to lead time
43	CY8C4247LTI-M475	PSoC 4100M / PSoC 4200M	CY8C4247LTI7-M475	Subject to lead time
44	CY8C4247LTQ-M475	PSoC 4100M / PSoC 4200M	CY8C4247LTQ7-M475	Subject to lead time
45	CYSHM35925I-M068LTI	PSoC 4100M / PSoC 4200M	CYSHM35925I7-M068LTI	Subject to lead time
46	CYSHM35925I-M068LTIT	PSoC 4100M / PSoC 4200M	CYSHM35925I7-M068LTI	Subject to lead time
47	CG8911AT	PSoC 4100M / PSoC 4200M	CG8911ZT	Subject to lead time
48	CG8911ATT	PSoC 4100M / PSoC 4200M	CG8911ZT	Subject to lead time