

Information note

INF224203

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

Datasheet updates to select 2-Mbit to 8-Mbit EXCELON™ F-RAM 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 [63]

► **Detailed change information**

Subject This information note is to inform customers about datasheet updates to the Write protect (\overline{WP}) and Hardware reset (\overline{RESET}) pins on select 2-Mbit to 8-Mbit EXCELON™ F-RAM products. The update excludes internal weak pull up configuration on the \overline{WP} and \overline{RESET} pins; therefore, it recommends that these two pins be tied to V_{DD} if not used.

Reason The datasheets have been updated to match the device specifications and actual F-RAM performance.

Description

<u>Old</u>	<u>New</u>
<ul style="list-style-type: none"> ■ \overline{WP}: This pin has an internal weak pull up resistor which keeps this pin HIGH if left floating (not connected on the board). This pin can also be tied to V_{DD} if not used. 	<ul style="list-style-type: none"> ■ \overline{WP}: This pin must be tied to V_{DD} if not used.
<ul style="list-style-type: none"> ■ \overline{RESET}: This pin has an internal weak pull up resistor which keeps this pin HIGH if left floating (not connected on the board). This pin can also be tied to V_{DD} if not used. 	<ul style="list-style-type: none"> ■ \overline{RESET}: This pin must be tied to V_{DD} if not used.
<ul style="list-style-type: none"> ■ \overline{RESET} signal should never be tied low even if \overline{RESET} functionality is disabled since it will increase leakage current due to the internal weak pull-up. 	<ul style="list-style-type: none"> ■ Removed the sentence from the datasheet.

► **Product identification**

Infineon maintains traceability of product to wafer level, including wafer fabrication location, through the lot number marked on the package.

► **Impact of change**

There is no change to the product. Infineon 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 [63]

Supporting document

Datasheets

► **Intended start of delivery**

Effective immediately on release of this information note.

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

[INFORMATION NOTE] N° [INF224203]Datasheet updates to select 2-Mbit to 8-Mbit
EXCELON™ F-RAM products

Item	Marketing Part Number	Family	Datasheet specification
1	CY15B102QM-50SWXI	F-RAM	002-33164
2	CY15B102QM-50SWXIT	F-RAM	002-33164
3	CY15B102QN-50SXI	F-RAM	002-26764
4	CY15B102QN-50SXIT	F-RAM	002-26764
5	CY15B102QN-50LHXI	F-RAM	002-26764
6	CY15B102QN-50LHXIT	F-RAM	002-26764
7	CY15B102QN-50PZXI	F-RAM	002-26764
8	CY15B102QSN-108SXI	F-RAM	002-26767
9	CY15B102QSN-108SXIT	F-RAM	002-26767
10	CY15V102QN-50SXI	F-RAM	002-26764
11	CY15V102QN-50SXIT	F-RAM	002-26764
12	CY15V102QN-50LHXI	F-RAM	002-26764
13	CY15V102QN-50LHXIT	F-RAM	002-26764
14	CY15V102QN-50PZXI	F-RAM	002-26764
15	CY15V102QSN-108SXI	F-RAM	002-26767
16	CY15V102QSN-108SXIT	F-RAM	002-26767
17	CY15B102QN-50SXE	F-RAM	002-19073
18	CY15B102QN-50SXET	F-RAM	002-19073
19	645781900C	F-RAM	002-19073
20	CY15V102QN-50SXE	F-RAM	002-19073
21	CY15V102QN-50SXET	F-RAM	002-19073
22	CY15B104Q-PZXI	F-RAM	002-27864
23	CY15B104QN-50PZXI	F-RAM	002-27864
24	CY15B104QN-50SXI	F-RAM	002-19436
25	CY15B104QN-50SXIT	F-RAM	002-19436
26	CY15B104QN-50LPXI	F-RAM	002-19436
27	CY15B104QN-50LPXIT	F-RAM	002-19436
28	CY15B104QN-20LPXC	F-RAM	002-19436
29	CY15B104QN-20LPXCT	F-RAM	002-19436
30	CY15B104QN-20LPXI	F-RAM	002-19436
31	CY15B104QN-20LPXIT	F-RAM	002-19436
32	CY15B104QSN-108SXI	F-RAM	002-18293
33	CY15B104QSN-108SXIT	F-RAM	002-18293
34	CY15B104QSN-108LPXI	F-RAM	002-18293
35	CY15B104QSN-108LPXIT	F-RAM	002-18293
36	CY15V104QN-50SXI	F-RAM	002-19436

37	CY15V104QN-50SXIT	F-RAM	002-19436
38	CY15V104QN-50LPXI	F-RAM	002-19436
39	CY15V104QN-50LPXIT	F-RAM	002-19436
40	CY15V104QN-20LPXC	F-RAM	002-19436
41	CY15V104QN-20LPXCT	F-RAM	002-19436
42	CY15V104QN-20LPXI	F-RAM	002-19436
43	CY15V104QN-20LPXIT	F-RAM	002-19436
44	CY15V104QSN-108SXI	F-RAM	002-18293
45	CY15V104QSN-108SXIT	F-RAM	002-18293
46	CY15V104QSN-108LPXI	F-RAM	002-18293
47	CY15V104QSN-108LPXIT	F-RAM	002-18293
48	CY15B104QN-50SXA	F-RAM	002-24681
49	CY15B104QN-50SXAT	F-RAM	002-24681
50	CY15B108QN-40SXI	F-RAM	002-21761
51	CY15B108QN-40SXIT	F-RAM	002-21761
52	CY15B108QN-40LPXI	F-RAM	002-21761
53	CY15B108QN-40LPXIT	F-RAM	002-21761
54	CY15B108QN-20LPXC	F-RAM	002-21761
55	CY15B108QN-20LPXCT	F-RAM	002-21761
56	CY15B108QN-20LPXI	F-RAM	002-21761
57	CY15B108QN-20LPXIT	F-RAM	002-21761
58	CY15V108QN-40LPXI	F-RAM	002-21761
59	CY15V108QN-40LPXIT	F-RAM	002-21761
60	CY15V108QN-20LPXC	F-RAM	002-21761
61	CY15V108QN-20LPXCT	F-RAM	002-21761
62	CY15V108QN-20LPXI	F-RAM	002-21761
63	CY15V108QN-20LPXIT	F-RAM	002-21761