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PRODUCT INFORMATION NOTIFICATION

PIN: PIN145268

Date: February 27, 2014

Subject: F-RAM Products Datasheet Format Changes

To: PCN ADMINISTRATOR
CYPRESS PCN ADMIN
pcn_adm@cypress.com

Change Type: Minor

Description of Change:

Cypress Semiconductor will convert the F-RAM datasheets from the format used by Ramtron International to the Cypress standard format. There will be no changes to datasheet specifications and F-RAM products are under warranty against both formatted datasheets. The new format will maintain the same Cypress document numbers, but the revision letter will increment to the next alphabet letter for each datasheet. All content will remain in each datasheet, but may change location, with the following exceptions:

- 1) Package Marking Scheme (top mark) is not included in the Cypress standard format. This information can be found for each device on the unique product pages at:
www.cypress.com >
Products >
Nonvolatile Products >
F-RAM (Serial, Processor Companion, or Parallel) >
Select any product >
Quality and RoHS >
Marking
- 2) Moisture Sensitivity Level (MSL) is not included in the Cypress standard format. This information can also be found on the product pages at:
www.cypress.com >
Products >
Nonvolatile Products >
F-RAM (Serial, Processor Companion, or Parallel) >
Select any product >
Quality and RoHS >
Moisture Sensitivity Level (MSL).
- 3) A Thermal Resistance table is included in the Cypress standard format.
- 4) The Maximum Ratings section in the Cypress standard format is expanded (includes junction temperature, latch up current, etc.).
- 5) The revision history predating the Cypress document number is removed.

Affected Part Numbers: 160

Affected Parts: See attached list of affected parts with implementation dates.

Approximate Implementation Date:

Refer to below table for implementation dates. The F-RAM datasheets will be released on www.cypress.com in groups according to device interface.

Going forward, all new F-RAM products will use the Cypress datasheet format.

Datasheet	Implementation Date	Number of Parts Affected
SPI Interface	Immediate	72
Async Interface	Immediate	33
I2C Interface	Immediate	39
Processor Companion	3/28/2014	16

Anticipated Impact:

Cypress applications and support engineering will reference the new datasheets in response to customer inquiries. Cypress recommends that customers update their product records to the new datasheets.

Method of Identification:

Cypress format datasheets have the Cypress Perform logo in the top left corner of the first page and include the Logic Block Diagram at the bottom of the first page. Ramtron format datasheets have the Cypress Perform logo in the top right corner of the first page and show the Pin Configuration on the first page. Examples of the two datasheet formats are shown in an attachment.

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.

Sincerely,

Cypress PCN Administration

Item #	Marketing Part Number	Implementation Date
1	CG7738AT	Implemented
2	CG7738ATT	Implemented
3	CG7767AA	Implemented
4	CG7767AAT	Implemented
5	CG7846AA	Implemented
6	CG7846AAT	Implemented
7	CG7847AA	Implemented
8	CG7847AAT	Implemented
9	FM1608B-PG	Implemented
10	FM1608B-SG	Implemented
11	FM1608B-SGTR	Implemented
12	FM16W08-PG	Implemented
13	FM16W08-SG	Implemented
14	FM16W08-SGTR	Implemented
15	FM1808B-PG	Implemented
16	FM1808B-SG	Implemented
17	FM1808B-SGTR	Implemented
18	FM18W08-PG	Implemented
19	FM18W08-SG	Implemented
20	FM18W08-SGTR	Implemented
21	FM21L16-60-TG	Implemented
22	FM21L16-60-TGTR	Implemented
23	FM21LD16-60-BG	Implemented
24	FM21LD16-60-BGTR	Implemented
25	FM22L16-55-TG	Implemented
26	FM22L16-55-TGTR	Implemented
27	FM22LD16-55-BG	Implemented
28	FM22LD16-55-BGTR	Implemented
29	FM23MLD16-60-BG	Implemented
30	FM23MLD16-60-BGTR	Implemented
31	FM24C04B-G	Implemented
32	FM24C04B-G2	Implemented
33	FM24C04B-G2TR	Implemented
34	FM24C04B-GTR	Implemented
35	FM24C16B-G	Implemented
36	FM24C16B-G1	Implemented
37	FM24C16B-G1TR	Implemented
38	FM24C16B-GTR	Implemented
39	FM24C64B-G	Implemented
40	FM24C64B-GTR	Implemented
41	FM24CL04B-G	Implemented
42	FM24CL04B-GTR	Implemented
43	FM24CL16B-DG	Implemented
44	FM24CL16B-DGTR	Implemented
45	FM24CL16B-G	Implemented
46	FM24CL16B-GTR	Implemented

47	FM24CL64B-DG	Implemented
48	FM24CL64B-DGTR	Implemented
49	FM24CL64B-G	Implemented
50	FM24CL64B-GA	Implemented
51	FM24CL64B-GATR	Implemented
52	FM24CL64B-GTR	Implemented
53	FM24V01-G	Implemented
54	FM24V01-GTR	Implemented
55	FM24V02-G	Implemented
56	FM24V02-GTR	Implemented
57	FM24V02-PG	Implemented
58	FM24V05-G	Implemented
59	FM24V05-GTR	Implemented
60	FM24V10-G	Implemented
61	FM24V10-GTR	Implemented
62	FM24VN10-G	Implemented
63	FM24VN10-GTR	Implemented
64	FM24W256-EG	Implemented
65	FM24W256-EGTR	Implemented
66	FM24W256-G	Implemented
67	FM24W256-GTR	Implemented
68	FM25040B-G	Implemented
69	FM25040B-GA	Implemented
70	FM25040B-GA1	Implemented
71	FM25040B-GA1TR	Implemented
72	FM25040B-GATR	Implemented
73	FM25040B-GTR	Implemented
74	FM25640B-G	Implemented
75	FM25640B-G2	Implemented
76	FM25640B-G2TR	Implemented
77	FM25640B-GA	Implemented
78	FM25640B-GATR	Implemented
79	FM25640B-GTR	Implemented
80	FM25C160B-G	Implemented
81	FM25C160B-G5	Implemented
82	FM25C160B-G5TR	Implemented
83	FM25C160B-GA	Implemented
84	FM25C160B-GA1	Implemented
85	FM25C160B-GA1TR	Implemented
86	FM25C160B-GATR	Implemented
87	FM25C160B-GTR	Implemented
88	FM25CL64B-DG	Implemented
89	FM25CL64B-DGTR	Implemented
90	FM25CL64B-G	Implemented
91	FM25CL64B-G2	Implemented
92	FM25CL64B-G5	Implemented
93	FM25CL64B-G5TR	Implemented

94	FM25CL64B-GA	Implemented
95	FM25CL64B-GATR	Implemented
96	FM25CL64B-GTR	Implemented
97	FM25H20-DG	Implemented
98	FM25H20-DGTR	Implemented
99	FM25H20-G	Implemented
100	FM25H20-GTR	Implemented
101	FM25H20-PG	Implemented
102	FM25L04B-DG	Implemented
103	FM25L04B-DGTR	Implemented
104	FM25L04B-G	Implemented
105	FM25L04B-GA	Implemented
106	FM25L04B-GA4	Implemented
107	FM25L04B-GA4TR	Implemented
108	FM25L04B-GATR	Implemented
109	FM25L04B-GTR	Implemented
110	FM25L16B-DG	Implemented
111	FM25L16B-DGTR	Implemented
112	FM25L16B-G	Implemented
113	FM25L16B-G3	Implemented
114	FM25L16B-G3TR	Implemented
115	FM25L16B-GTR	Implemented
116	FM25V01-G	Implemented
117	FM25V01-GTR	Implemented
118	FM25V02-DG	Implemented
119	FM25V02-DGTR	Implemented
120	FM25V02-G	Implemented
121	FM25V02-G1TR	Implemented
122	FM25V02-GTR	Implemented
123	FM25V02-PG	Implemented
124	FM25V05-G	Implemented
125	FM25V05-GTR	Implemented
126	FM25V05-PGC	Implemented
127	FM25V10-G	Implemented
128	FM25V10-GTR	Implemented
129	FM25V20-DG	Implemented
130	FM25V20-DGTR	Implemented
131	FM25V20-G	Implemented
132	FM25V20-GTR	Implemented
133	FM25V20-PG	Implemented
134	FM25VN10-G	Implemented
135	FM25VN10-GTR	Implemented
136	FM25W256-G	Implemented
137	FM25W256-GTR	Implemented
138	FM28V020-SG	Implemented
139	FM28V020-SGTR	Implemented
140	FM28V020-T28G	Implemented

141	FM28V020-TG	Implemented
142	FM28V020-TGTR	Implemented
143	FM28V100-TG	Implemented
144	FM28V100-TGTR	Implemented
145	FM31256-G	3/28/2014
146	FM31256-G1	3/28/2014
147	FM31256-G1TR	3/28/2014
148	FM31256-GTR	3/28/2014
149	FM31276-G	3/28/2014
150	FM31276-GTR	3/28/2014
151	FM31278-G	3/28/2014
152	FM31278-GTR	3/28/2014
153	FM3164-G	3/28/2014
154	FM3164-GTR	3/28/2014
155	FM31L276-G	3/28/2014
156	FM31L276-GTR	3/28/2014
157	FM31L278-G	3/28/2014
158	FM31L278-GTR	3/28/2014
159	FM33256B-G	3/28/2014
160	FM33256B-GTR	3/28/2014