



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: 943-2600

PRODUCT INFORMATION NOTIFICATION

PIN: PIN145284

Date: March 22, 2014

Subject: Qualification of a Top Passivation Layer on F-RAM Devices

To: PCN ADMIN
CYPRESS
pcn_admin@cypress.com

Change Type: Minor

Description of Change:

Cypress has qualified a top passivation layer to the Texas Instruments F-RAM wafer manufacturing process. This added passivation layer a) strengthens the existing passivation layer to prevent scratches due to wafer handling during die preparation, transit, and assembly and b) thickens the existing passivation layer to protect wire bonding pads. See the attached file for a cross-section comparison of the existing and new passivation layers.

Benefit of Change:

Cypress may add the top passivation layer to select F-RAM products. The top passivation layer can improve assembly yields by minimizing wafer scratches and metal pad distortion.

Affected Part Numbers: 118

Affected Parts: See the attached file for a list of all F-RAM memory part numbers affected by this change.

Qualification Status:

Qualification Test Plan (QTP) Reports 133202 and 133203 covering the qualification for the top passivation layer for F-RAM devices are attached to this notification. They can also be found on www.cypress.com by typing the QTP number into the keyword search window.

Approximate Implementation Date:

Effective with the date of this notification, Cypress will transition to shipments of the qualified top passivation layers.

Anticipated Impact:

None expected. Products manufactured are completely compatible with existing product from a functional, parametric, and quality performance perspective.

Method of Identification:

Cypress maintains traceability of our products to the wafer level, including wafer fabrication location, through the lot number marked on the package.

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
1	FM1608B-PG
2	FM1608B-SG
3	FM1608B-SGTR
4	FM16W08-PG
5	FM16W08-SG
6	FM16W08-SGTR
7	FM1808B-PG
8	FM1808B-SG
9	FM1808B-SGTR
10	FM18W08-PG
11	FM18W08-SG
12	FM18W08-SGTR
13	FM24C04B-G
14	FM24C04B-G2
15	FM24C04B-G2TR
16	FM24C04B-GTR
17	FM24C16B-G
18	FM24C16B-G1
19	FM24C16B-G1TR
20	FM24C16B-GTR
21	FM24C64B-G
22	FM24C64B-GTR
23	FM24CL04B-G
24	FM24CL04B-GTR
25	FM24CL16B-DG
26	FM24CL16B-DGTR
27	FM24CL16B-G
28	FM24CL16B-GTR
29	FM24CL64B-DG
30	FM24CL64B-DGTR
31	FM24CL64B-G
32	FM24CL64B-GA
33	FM24CL64B-GATR
34	FM24CL64B-GTR
35	FM24V01-G
36	FM24V01-GTR
37	FM24V02-G
38	FM24V02-GTR
39	FM24V02-PG
40	FM24W256-EG
41	FM24W256-EGTR
42	FM24W256-G
43	FM24W256-GTR
44	FM25040B-G
45	FM25040B-GA
46	FM25040B-GA1

47	FM25040B-GA1TR
48	FM25040B-GATR
49	FM25040B-GTR
50	FM25640B-G
51	FM25640B-G2
52	FM25640B-G2TR
53	FM25640B-GA
54	FM25640B-GATR
55	FM25640B-GTR
56	FM25C160B-G
57	FM25C160B-G5
58	FM25C160B-G5TR
59	FM25C160B-GA
60	FM25C160B-GA1
61	FM25C160B-GA1TR
62	FM25C160B-GATR
63	FM25C160B-GTR
64	FM25CL64B-DG
65	FM25CL64B-DGTR
66	FM25CL64B-G
67	FM25CL64B-G2
68	FM25CL64B-G5
69	FM25CL64B-G5TR
70	FM25CL64B-GA
71	FM25CL64B-GATR
72	FM25CL64B-GTR
73	FM25L04B-DG
74	FM25L04B-DGTR
75	FM25L04B-G
76	FM25L04B-GA
77	FM25L04B-GA4
78	FM25L04B-GA4TR
79	FM25L04B-GATR
80	FM25L04B-GTR
81	FM25L16B-DG
82	FM25L16B-DGTR
83	FM25L16B-G
84	FM25L16B-G3
85	FM25L16B-G3TR
86	FM25L16B-GTR
87	FM25V01-G
88	FM25V01-GTR
89	FM25V02-DG
90	FM25V02-DGTR
91	FM25V02-G
92	FM25V02-G1TR
93	FM25V02-GTR

94	FM25V02-PG
95	FM25W256-G
96	FM25W256-GTR
97	FM28V020-SG
98	FM28V020-SGTR
99	FM28V020-T28G
100	FM28V020-TG
101	FM28V020-TGTR
102	FM28V020-XW11
103	FM31256-G
104	FM31256-G1
105	FM31256-G1TR
106	FM31256-GTR
107	FM31276-G
108	FM31276-GTR
109	FM31278-G
110	FM31278-GTR
111	FM3164-G
112	FM3164-GTR
113	FM31L276-G
114	FM31L276-GTR
115	FM31L278-G
116	FM31L278-GTR
117	FM33256B-G
118	FM33256B-GTR