



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

## PRODUCT CHANGE NOTIFICATION

**PCN:** PCN204202

**Date:** December 06, 2020

**Subject:** Qualification of Greatek Electronic as an Alternate Assembly Site for Select 8-Lead SOIC Package for FRAM Products

**To:** FUTURE ELECTRONICS  
FUTURE ELE  
pcn.system@futureelectronics.com

**Change Type:** Major

### Description of Change:

Cypress announces the qualification of Greatek Electronics Inc., Taiwan located at No. 136, Gong-Yi Rd., Zhunan Township, Miaoli County 350, Taiwan as an alternate assembly site for select 8-Lead SOIC package for FRAM products.

These products are currently processed at United Test and Assembly Center Limited (UTL), Cypress' subcontractor in Thailand.

Greatek is certified by international quality and safety standards, namely, ISO 9001, IATF 16949, ISO 14001, and ISO 26262. These certificates, along with their Sony Green Partnership certificate, can be viewed on their corporate web site: <http://www.greatek.com.tw/>

### BOM Comparison:

The SOIC 8-Lead package will be assembled at Greatek using an industry standard set of Bill of Materials (BOM). Please see the table below for a comparison of BOM between Greatek and UTL:

Material	Greatek BOM	UTL BOM
Lead frame type	Cu Leadframe	Cu Leadframe
Die Attach	Hitachi EN-4900GC	Henkel 8600/8200T
Leadfinish	Pure Sn	Pure Sn
Mold Compound	Sumitomo EME-G700HA	Sumitomo G600
Bond Wire	0.8 mil CuPdAu wire	0.8 mil CuPd wire

### Benefit of Change:

Qualification of alternative manufacturing sites is part of the ongoing flexible manufacturing initiative announced by Cypress. The goal of the flexible manufacturing initiative is to provide the means for Cypress to continue to meet delivery commitments through dynamic, changing market conditions.

**Part Numbers Affected: 98**

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts introduced after the publication of this PCN will be assembled at Greatek.

**Qualification Status:**

Greatek has been qualified through a series of tests documented in the Qualification Test Plan QTP#193905. This qualification report can be found as an attachment to this PCN or by visiting [www.cypress.com](http://www.cypress.com) and typing the QTP number in the keyword search window.

**Sample Status:**

Samples are available now, unless there is an indication that the sample ordering part numbers are subject to lead times. Qualification samples may not be built ahead of time for all part numbers affected by this change.

Please review the attached 'Affected Parts List' file for a list of affected part numbers with their associated Greatek sample ordering part numbers.

If you require qualification samples, please contact your local Cypress sales representative as soon as possible, preferably within 30 days of the date of this notification.

**Approximate Implementation Date:**

Effective 90 days from the date of this notification or upon customer approval, whichever comes first, all shipments of Commercial, Industrial and Automotive non-PPAP part numbers in the attached file will be assembled at Greatek or other approved assembly sites.

**Anticipated Impact:**

Products assembled at Greatek are completely compatible with existing products from form, fit, functional, parametric, and quality performance perspectives.

Cypress also recommends that customers take this opportunity to review this change against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

**Method of Identification:**

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

**Response Required:**

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](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number	Family	Sample Order Part Number	Sample Availability
1	FM24C04B-G	FRAM	FM24C04B-GKT	Subject to lead time
2	FM24C04B-GTR	FRAM	FM24C16B-GKT	Subject to lead time
3	FM24C16B-G	FRAM	FM24C16B-GKT	Subject to lead time
4	FM24C16B-GTR	FRAM	FM24C16B-GKT	Subject to lead time
5	FM24C64B-G	FRAM	FM24C64B-GKT	Subject to lead time
6	FM24C64B-GTR	FRAM	FM24C64B-GKT	Subject to lead time
7	FM24CL04B-G	FRAM	FM24CL04B-GKT	Subject to lead time
8	FM24CL04B-GTR	FRAM	FM24CL04B-GKT	Subject to lead time
9	FM24CL16B-G	FRAM	FM24CL16B-GKT	Subject to lead time
10	FM24CL16B-GTR	FRAM	FM24CL16B-GKT	Subject to lead time
11	FM24CL64B-G	FRAM	FM24CL64B-GKT	Subject to lead time
12	FM24CL64B-GTR	FRAM	FM24CL64B-GKT	Subject to lead time
13	FM24V01A-G	FRAM	FM24V01A-GKT	Subject to lead time
14	FM24V01A-GTR	FRAM	FM24V01A-GKT	Subject to lead time
15	FM24V02A-G	FRAM	FM24V02A-GKT	Available
16	FM24V02A-GTR	FRAM	FM24V02A-GKT	Available
17	FM24V05-G	FRAM	FM24V05-GKT	Subject to lead time
18	FM24V05-GTR	FRAM	FM24V05-GKT	Subject to lead time
19	FM24V10-G	FRAM	FM24V10-GKT	Available
20	FM24V10-GTR	FRAM	FM24V10-GKT	Available
21	FM24VN10-G	FRAM	FM24VN10-GKT	Subject to lead time
22	FM24VN10-GTR	FRAM	FM24VN10-GKT	Subject to lead time
23	FM25040B-G	FRAM	FM25040B-GKT	Subject to lead time
24	FM25040B-GTR	FRAM	FM25040B-GKT	Subject to lead time
25	FM25640B-G	FRAM	FM25640B-GKT	Subject to lead time
26	FM25640B-GTR	FRAM	FM25640B-GKT	Subject to lead time
27	FM25C160B-G	FRAM	FM25C160B-GKT	Subject to lead time
28	FM25C160B-GTR	FRAM	FM25C160B-GKT	Subject to lead time
29	FM25CL64B-G	FRAM	FM25CL64B-GKT	Subject to lead time
30	FM25CL64B-GTR	FRAM	FM25CL64B-GKT	Subject to lead time
31	FM25L04B-G	FRAM	FM25L04B-GKT	Subject to lead time
32	FM25L04B-GTR	FRAM	FM25L04B-GKT	Subject to lead time
33	FM25L16B-G	FRAM	FM25L16B-GKT	Subject to lead time
34	FM25L16B-GTR	FRAM	FM25L16B-GKT	Subject to lead time
35	FM25V01A-G	FRAM	FM25V01A-GKT	Available
36	FM25V01A-GTR	FRAM	FM25V01A-GKT	Available
37	FM25V02A-G	FRAM	FM25V02A-GKT	Available
38	FM25V02A-GTR	FRAM	FM25V02A-GKT	Available
39	FM25V05-G	FRAM	FM25V05-GKT	Available
40	FM25V05-GTR	FRAM	FM25V05-GKT	Available
41	FM25V10-G	FRAM	FM25V10-GKT	Available
42	FM25V10-GTR	FRAM	FM25V10-GKT	Available
43	FM25VN10-G	FRAM	FM25VN10-GKT	Subject to lead time
44	FM25VN10-GTR	FRAM	FM25VN10-GKT	Subject to lead time
45	CG10013AM	FRAM	CG10013UM	Subject to lead time
46	CG10013AMT	FRAM	CG10013UM	Subject to lead time

47	CG8277AA	FRAM	CG8277UA	Subject to lead time
48	CG8277AAT	FRAM	CG8277UA	Subject to lead time
49	CG8281AA	FRAM	CG8281UA	Subject to lead time
50	CG8281AAT	FRAM	CG8281UA	Subject to lead time
51	CG8721AM	FRAM	CG8721UM	Subject to lead time
52	CG8721AMT	FRAM	CG8721UM	Subject to lead time
53	CG8722AM	FRAM	CG8722UM	Subject to lead time
54	CG8722AMT	FRAM	CG8722UM	Subject to lead time
55	CG8723AM	FRAM	CG8723UM	Subject to lead time
56	CG8723AMT	FRAM	CG8723UM	Subject to lead time
57	CG8724AM	FRAM	CG8724UM	Subject to lead time
58	CG8724AMT	FRAM	CG8724UM	Subject to lead time
59	CG8725AM	FRAM	CG8725UM	Subject to lead time
60	CG8725AMT	FRAM	CG8725UM	Subject to lead time
61	CG8726AM	FRAM	CG8726UM	Subject to lead time
62	CG8726AMT	FRAM	CG8726UM	Subject to lead time
63	CG8727AM	FRAM	CG8727UM	Subject to lead time
64	CG8727AMT	FRAM	CG8727UM	Subject to lead time
65	CG8853AT	FRAM	CG8853UT	Subject to lead time
66	CG8853ATT	FRAM	CG8853UT	Subject to lead time
67	CG8878AM	FRAM	CG8878UM	Subject to lead time
68	CG8878AMT	FRAM	CG8878UM	Subject to lead time
69	CG8879AM	FRAM	CG8879UM	Subject to lead time
70	CG8879AMT	FRAM	CG8879UM	Subject to lead time
71	CG8880AM	FRAM	CG8880UM	Subject to lead time
72	CG8880AMT	FRAM	CG8880UM	Subject to lead time
73	CG8881AM	FRAM	CG8881UM	Subject to lead time
74	CG8881AMT	FRAM	CG8881UM	Subject to lead time
75	CG8884AM	FRAM	CG8884UM	Subject to lead time
76	CG8884AMT	FRAM	CG8884UM	Subject to lead time
77	CG8886AM	FRAM	CG8886UM	Subject to lead time
78	CG8886AMT	FRAM	CG8886UM	Subject to lead time
79	CG8956AM	FRAM	CG8956UM	Subject to lead time
80	CG8956AMT	FRAM	CG8956UM	Subject to lead time
81	CG8957AM	FRAM	CG8957UM	Subject to lead time
82	CG8957AMT	FRAM	CG8957UM	Subject to lead time
83	CG8958AM	FRAM	CG8958UM	Subject to lead time
84	CG8958AMT	FRAM	CG8958UM	Subject to lead time
85	CG8960AM	FRAM	CG8960UM	Subject to lead time
86	CG8960AMT	FRAM	CG8960UM	Subject to lead time
87	CG8961AM	FRAM	CG8961UM	Subject to lead time
88	CG8961AMT	FRAM	CG8961UM	Subject to lead time
89	CG8962AM	FRAM	CG8962UM	Subject to lead time
90	CG8962AMT	FRAM	CG8962UM	Subject to lead time
91	CG8963AM	FRAM	CG8963UM	Subject to lead time
92	CG8963AMT	FRAM	CG8963UM	Subject to lead time
93	CG9072AM	FRAM	CG9072UM	Subject to lead time

94	CG9072AMT	FRAM	CG9072UM	Subject to lead time
95	CG9115AM	FRAM	CG9115UM	Subject to lead time
96	CG9115AMT	FRAM	CG9115UM	Subject to lead time
97	CG9201AM	FRAM	CG9201UM	Subject to lead time
98	CG9201AMT	FRAM	CG9201UM	Subject to lead time