



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

PRODUCT CHANGE NOTIFICATION

PCN: PCN200803

Date: February 24, 2020

Subject: Qualification of Greatek Electronic as an Additional Assembly, Test and Finish Sites for Select 48-Lead TQFP Pb-Free Products

Change Type: Major

Description of Change:

Cypress announces the qualification of Greatek Electronics Inc. (Greatek, No. 136, Gong-Yi Rd., Zhunan Township, Miaoli County 350, Taiwan.) as an additional assembly, test and finish sites for select 48-Lead TQFP Pd-Free (7.00x7.00x1.40mm) products.

Greatek Electronic is certified on several international quality standards: IATF 16949, ISO 9001, ISO14001 and OHSAS18001. Greatek Electronic quality certifications can be downloaded in this link: <http://www.greatek.com.tw/about5-en.html>

The 48-Lead TQFP Pb-Free (7.00x7.00x1.40mm) package is assembled at Greatek Electronic using the following Bill of Materials:

Material	Greatek Bill of Materials	OSE Taiwan Bill of Materials
Mold Compound	Sumitomo G700HA	Sumitomo G631
Leadframe	ASM C7025	Le FRAM/Sumitomo C7025
Leadfinish	Matte Sn	Matte Sn
Die Attach Material	Hitachi EN-4900GC	Sumitomo CRM-1076WA
Bond Wire	MKE 0.8mil CuPdAu	0.8mil CuPd

Benefit of Change:

Qualification of alternate 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: 74

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts that are introduced after the publication of this PCN will include all changes outlined in this PCN.

Qualification Status:

These assembly, test and finish sites have been qualified through a series of tests documented in the Qualification Test Plans summarized in the table below. These qualification reports can be found as attachments to this PCN or by visiting www.cypress.com and typing the QTP number in the keyword search window.

QTP Number	Qualification
192806	GTK-IG as Additional Assembly Site
193501	GTK-IG as Additional Test Site
192506	GTK-IG as Additional Finish Site

Sample Status:

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 Electronics sample ordering part numbers. Samples are available now unless there is an indication that the sample ordering part numbers are subject to lead times. 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 PCN, to place any sample orders.

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 Electronics or other approved assembly sites.

Anticipated Impact:

Products assembled at the new site 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 these changes against current application notes, system design considerations and customer environment conditions to assess impact (if any) to their application.

Method of Identification:

Cypress 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.

Sincerely,
Cypress PCN Administration

Item Marketing Part Number

1	CY8C4024AZI-S403
2	CY8C4024AZI-S403T
3	CY8C4024AZI-S413
4	CY8C4024AZI-S413T
5	CY8C4025AZI-S403
6	CY8C4025AZI-S403T
7	CY8C4025AZI-S413
8	CY8C4025AZI-S413T
9	CY8C4045AZI-S413
10	CY8C4045AZI-S413T
11	CY8C4124AZI-443
12	CY8C4124AZI-S413
13	CY8C4124AZI-S413T
14	CY8C4124AZI-S433
15	CY8C4124AZI-S433T
16	CY8C4125AZI-473
17	CY8C4125AZI-483
18	CY8C4125AZI-M433
19	CY8C4125AZI-M443
20	CY8C4125AZI-PS423
21	CY8C4125AZI-S413
22	CY8C4125AZI-S413T
23	CY8C4125AZI-S423
24	CY8C4125AZI-S423T
25	CY8C4125AZI-S433
26	CY8C4125AZI-S433T
27	CY8C4125AZQ-S433
28	CY8C4126AZI-M443
29	CY8C4126AZI-S423
30	CY8C4126AZI-S423T
31	CY8C4126AZI-S433
32	CY8C4126AZI-S433T
33	CY8C4126AZQ-S423
34	CY8C4126AZQ-S433
35	CY8C4127AZI-S453
36	CY8C4145AZI-PS423
37	CY8C4145AZI-PS433
38	CY8C4145AZI-S423
39	CY8C4145AZI-S423T
40	CY8C4145AZQ-S433
41	CY8C4146AZI-S423
42	CY8C4146AZI-S423T
43	CY8C4146AZI-S433
44	CY8C4146AZI-S433T
45	CY8C4146AZI-S443
46	CY8C4146AZI-S453
47	CY8C4146AZI-S463
48	CY8C4146AZQ-S423
49	CY8C4146AZQ-S433

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55 CY8C4245AZI-483
56 CY8C4245AZI-M433
57 CY8C4245AZI-M443
58 CY8C4246AZI-L423
59 CY8C4246AZI-L423T
60 CY8C4246AZI-L433
61 CY8C4246AZI-L433T
62 CY8C4246AZI-M443
63 CY8C4246AZQ-M443
64 CY8C4247AZI-L423
65 CY8C4247AZI-L423T
66 CY8C4247AZI-L433
67 CY8C4247AZI-L433T
68 CY8C4744AZI-S403
69 CY8C4745AZI-S403
70 CY8C4745AZI-S413
71 CY8C4A45AZI-483
72 CG8660AM
73 CG8784AM
74 CG8784AMT