



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

ADVANCE PRODUCT CHANGE NOTIFICATION

APCN: APCN201002

Date: March 06, 2020

Subject: Planned Qualification of New Assembly Sites for Select Automotive RAM Products

To: FUTURE ELECTRONICS
 FUTURE ELE
 pcn.system2@future.ca

Description of Change:

Cypress is planning to qualify new assembly sites for select Automotive RAM products currently running at JCET (78 Changshan Rd, Jiangyin, Jiangsu, China 214400) and OSET (12-2 Nel Huan South Rd. N.E.P.Z. Kaohsiung, Taiwan 811, R.O.C.).

The products will be qualified at the following sites already utilized by Cypress for similar packages.

- a. Greatek Taiwan (No.136, Gon-Yi Rd. Zhunan Township, Miaoli County 350 Taiwan, R.O.C.)
- b. Cypress Bangkok (229 Moo 4 Changwattana Road Pakkred, Nonthaburi 11120 Thailand)

Both sites are qualified to build automotive grade products consistent with AEC-Q100/AEC-Q006 standards.

Refer to the table below for the qualification schedules, PCN publication dates, and estimated implementation dates. This is an advance notification and no immediate action is needed.

Package Code	Package Type	Current Assembly Site	New Assembly Site	Estimated Cypress Qualification Date	Estimated PCN Publication Date	Estimated Implementation Date
ZW44A/ ZW44B	TSOPII 44L (400mils)	JCET and OSET	Greatek	Mar-2021	Apr-2021	Oct-2021
SZ324	SOIC 32L (450mils)	JCET	Greatek	Jun-2020	Jul-2020	Jan-2021
ZB32/ ZB32F	TSOP 32L (8x13.4)	JCET	Greatek	Mar-2021	Apr-2021	Oct-2021
ZZ16	TSSOP 16L (173mils)	OSET	Greatek	Mar-2021	Apr-2021	Oct-2021
ZT48A	TSOP 48L (12x20)	OSET	BKK	Dec-2020	Jan-2021	Jul-2021

Benefit of Change:

Cypress will have the capability to meet market demand, and to ensure consistent and reliable delivery performance to customers. It is important, especially in the current pandemic situation, to establish alternate sources of supply.

Part Numbers Affected: 107

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change.

Qualification Status:

Estimated dates for completion of the qualifications are provided in this notification.

Approximate Implementation Date:

Estimated implementation dates are provided in this notification. Given the criticality of establishing alternate sources of supply, it is important that we enable these sources expeditiously.

Cypress will make every effort to further improve the qualification schedule; an updated notification will be sent if the schedule is accelerated.

Anticipated Impact:

No impact to form, fit and function is expected.

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:

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	Package Code	Manufacturing Step_Transfer Site	Part Number After Transfer	Estimated CY Qualification Date	Estimated PCN publication date	Estimated CY Implementation date
1	8905504784	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
2	8909007818	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
3	8909007818X	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
4	A2C01848400	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
5	A2C02770900	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
6	A2C03558300	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
7	A2C03558300X	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
8	C3BBHY000059	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
9	C3BBKY000108	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
10	CY14B104NA-ZS25XE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
11	CY14B104NA-ZS25XET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
12	CY14B104NA-ZS45XE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
13	CY14B104NA-ZS45XET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
14	CY15B101N-ZS60XA	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
15	CY15B101N-ZS60XAT	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
16	CY15B101N-ZS60XE	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
17	CY15B101N-ZS60XET	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
18	CY15B102N-ZS60XA	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
19	CY15B102N-ZS60XAT	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
20	CY15B102N-ZS60XE	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
21	CY15B102N-ZS60XET	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
22	CY22392FXA	ZZ16	Greatek	No Part Number Change	March 2021	April 2021	October 2021
23	CY22392FXAT	ZZ16	Greatek	No Part Number Change	March 2021	April 2021	October 2021
24	CY22393FXA	ZZ16	Greatek	No Part Number Change	March 2021	April 2021	October 2021
25	CY22393FXAT	ZZ16	Greatek	No Part Number Change	March 2021	April 2021	October 2021
26	CY22393FXE	ZZ16	Greatek	No Part Number Change	March 2021	April 2021	October 2021
27	CY22393FXET	ZZ16	Greatek	No Part Number Change	March 2021	April 2021	October 2021
28	CY244ZXC-09A	ZZ16	Greatek	No Part Number Change	March 2021	April 2021	October 2021
29	CY62126EV30LL-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
30	CY62126EV30LL-45ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
31	CY62126EV30LL-55ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
32	CY62126EV30LL-55ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
33	CY62128ELL-45SXA	SZ324	Greatek	No Part Number Change	June 2020	July 2020	January 2021
34	CY62128ELL-45SXAT	SZ324	Greatek	No Part Number Change	June 2020	July 2020	January 2021
35	CY62128ELL-55SXE	SZ324	Greatek	No Part Number Change	June 2020	July 2020	January 2021
36	CY62128ELL-55SXET	SZ324	Greatek	No Part Number Change	June 2020	July 2020	January 2021
37	CY62128ELL-55ZAXE	ZB32	Greatek	No Part Number Change	March 2021	April 2021	October 2021
38	CY62128ELL-55ZAXET	ZB32	Greatek	No Part Number Change	March 2021	April 2021	October 2021
39	CY62128EV30LL-45SXA	SZ324	Greatek	No Part Number Change	June 2020	July 2020	January 2021
40	CY62128EV30LL-45SXAT	SZ324	Greatek	No Part Number Change	June 2020	July 2020	January 2021
41	CY62128EV30LL-45ZAXA	ZB32	Greatek	No Part Number Change	March 2021	April 2021	October 2021
42	CY62128EV30LL-45ZAXAT	ZB32	Greatek	No Part Number Change	March 2021	April 2021	October 2021
43	CY62136FV30LL-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
44	CY62136FV30LL-45ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
45	CY62136FV30LL-55ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
46	CY62136FV30LL-55ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
47	CY62137FV30LL-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
48	CY62137FV30LL-45ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
49	CY62137FV30LL-55ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
50	CY62137FV30LL-55ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
51	CY62138FV30LL-45ZAXA	ZB32	Greatek	No Part Number Change	March 2021	April 2021	October 2021
52	CY62138FV30LL-45ZAXAT	ZB32	Greatek	No Part Number Change	March 2021	April 2021	October 2021
53	CY62146G30-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
54	CY62146G30-45ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
55	CY62146G-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
56	CY62146G-45ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
57	CY621472G30-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
58	CY621472G30-45ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
59	CY62147G30-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021

60	CY62147G30-45ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
61	CY62147G30-55ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
62	CY62147G30-55ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
63	CY62157ELL-55ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
64	CY62157ELL-55ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
65	CY62157EV30LL-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
66	CY62157EV30LL-45ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
67	CY62157EV30LL-45ZXA	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
68	CY62157EV30LL-45ZXAT	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
69	CY62157EV30LL-55ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
70	CY62157EV30LL-55ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
71	CY62157EV30LL-55ZXE	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
72	CY62157EV30LL-55ZXET	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
73	CY62157H30-55ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
74	CY62157H30-55ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
75	CY62167EV30LL-45ZXA	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
76	CY62167EV30LL-45ZXAT	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
77	CY7C1011G30-10ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
78	CY7C1011G30-10ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
79	CY7C1011G30-12ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
80	CY7C1011G30-12ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
81	CY7C1020CV26-15ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
82	CY7C1020CV26-15ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
83	CY7C1021CV26-15ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
84	CY7C1021CV26-15ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
85	CY7C1021CV33-10ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
86	CY7C1021CV33-10ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
87	CY7C1021CV33-12ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
88	CY7C1021CV33-12ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
89	CY7C1041G30-10ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
90	CY7C1041G30-10ZSXAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
91	CY7C1041G30-10ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
92	CY7C1041G30-10ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
93	CY7C1051H30-10ZSXE	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
94	CY7C1051H30-10ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
95	P770046DFJ0000	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
96	P770046DFJ0000X	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
97	P770046D-FJ0000X	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
98	CG7921AA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
99	CG7921AAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
100	CG8839AF	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
101	CG8839AFT	ZW44B	Greatek	No Part Number Change	March 2021	April 2021	October 2021
102	CG8988AA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
103	CG8988AAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
104	CS7978AA	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
105	CS7978AAT	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
106	CS8800AA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
107	CS8800AAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021