

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:

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	ВКК	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 <u>pcn_adm@cypress.com</u>.

Sincerely,

Cypress PCN Administration

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	Marketing Part Number 8905504784	Package Code ZW44A	Manufacturing Step_Transfer Site Greatek	Part Number After Transfer No Part Number Change	Estimated CY Qualification Date March 2021		Estimated CY Implementation date October 2021
	8905504784	ZW44A ZW44A	Greatek	No Part Number Change	March 2021 March 2021		October 2021 October 2021
3	8909007818X	ZW44A	Greatek	No Part Number Change	March 2021		October 2021
4	A2C01848400	ZW44A	Greatek	No Part Number Change	March 2021		October 2021
5 6	A2C02770900 A2C03558300	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021	April 2021 April 2021	October 2021 October 2021
7	A2C03558300 A2C03558300X	ZW44A ZW44A	Greatek	No Part Number Change	March 2021		October 2021 October 2021
8	C3BBHY000059	ZW44A	Greatek	No Part Number Change	March 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 12	CY14B104NA-ZS25XET CY14B104NA-ZS45XE	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 2021 October 2021
	CY14B104NA-ZS45XET	ZW44A	Greatek	No Part Number Change	March 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 17	CY15B101N-ZS60XE CY15B101N-ZS60XET	ZW44B ZW44B	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021	April 2021 April 2021	October 2021 October 2021
18	CY15B102N-ZS60XA	ZW44B	Greatek	No Part Number Change	March 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		October 2021
21 22	CY15B102N-ZS60XET CY22392FXA	ZW44B ZZ16	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 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		October 2021
	CY22393FXAT CY22393FXE	ZZ16 ZZ16	Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 2021 October 2021
	CY22393FXET	ZZ16	Greatek Greatek	No Part Number Change	March 2021		October 2021 October 2021
28	CY244ZXC-09A	ZZ16	Greatek	No Part Number Change	March 2021	April 2021	October 2021
	CY62126EV30LL-45ZSXA	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
30 31	CY62126EV30LL-45ZSXAT CY62126EV30LL-55ZSXE	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021	April 2021 April 2021	October 2021 October 2021
31		ZW44A ZW44A	Greatek	No Part Number Change	March 2021 March 2021	April 2021 April 2021	October 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 36	CY62128ELL-55SXE CY62128ELL-55SXET	SZ324 SZ324	Greatek	No Part Number Change No Part Number Change	June 2020 June 2020	July 2020 July 2020	January 2021 January 2021
36	CY62128ELL-55SXET CY62128ELL-55ZAXE	SZ324 ZB32	Greatek Greatek	No Part Number Change No Part Number Change	June 2020 March 2021		January 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 41	CY62128EV30LL-45SXAT CY62128EV30LL-45ZAXA	SZ324 ZB32	Greatek	No Part Number Change No Part Number Change	June 2020 March 2021	July 2020 April 2021	January 2021 October 2021
41	CY62128EV30LL-45ZAXA CY62128EV30LL-45ZAXAT	ZB32 ZB32	Greatek Greatek	No Part Number Change	March 2021 March 2021		October 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 46	CY62136FV30LL-55ZSXE CY62136FV30LL-55ZSXET	ZW44A ZW44A	Greatek	No Part Number Change	March 2021		October 2021 October 2021
	CY62136FV30LL-55ZSXET CY62137FV30LL-45ZSXA	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 2021 October 2021
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50 51	CY62137FV30LL-55ZSXET CY62138FV30LL-45ZAXA	ZW44A ZB32	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 2021 October 2021
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55 56	CY62146G-45ZSXA CY62146G-45ZSXAT	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021	April 2021 April 2021	October 2021 October 2021
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59	CY62147G30-45ZSXA	ZW44A ZW44A	Greatek	No Part Number Change	March 2021		October 2021
60 61	CY62147G30-45ZSXAT CY62147G30-55ZSXE	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 2021 October 2021
62		ZW44A	Greatek	No Part Number Change	March 2021		October 2021
	CY62157ELL-55ZSXE	ZW44A	Greatek	No Part Number Change	March 2021		October 2021
64 65	CY62157ELL-55ZSXET CY62157EV30LL-45ZSXA	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021	April 2021 April 2021	October 2021 October 2021
66	CY62157EV30LL-45ZSXAT	ZW44A 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		ZT48A	Cypress BKK	No Part Number Change	December 2020		July 2021
69 70	CY62157EV30LL-55ZSXE CY62157EV30LL-55ZSXET	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 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		July 2021
73 74	CY62157H30-55ZSXE CY62157H30-55ZSXET	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021	April 2021 April 2021	October 2021 October 2021
75	CY62167EV30LL-45ZXA	ZT48A	Cypress BKK	No Part Number Change	December 2020		July 2021
76	CY62167EV30LL-45ZXAT	ZT48A	Cypress BKK	No Part Number Change	December 2020	January 2021	July 2021
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82 83	CY7C1020CV26-15ZSXET CY7C1021CV26-15ZSXE	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021	April 2021 April 2021	October 2021 October 2021
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86 87		ZW44A	Greatek	No Part Number Change	March 2021 March 2021		October 2021
		ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 2021 October 2021
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91 92	CY7C1041G30-10ZSXE CY7C1041G30-10ZSXET	ZW44A ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 2021 October 2021
	CY7C1041G30-102SXE1	ZW44A ZW44A	Greatek	No Part Number Change			October 2021 October 2021
94	CY7C1051H30-10ZSXET	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
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99	CG7921AAT	ZW44A	Greatek	No Part Number Change	March 2021	April 2021	October 2021
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	CG8839AFT CG8988AA	ZW44B ZW44A	Greatek Greatek	No Part Number Change No Part Number Change	March 2021 March 2021		October 2021 October 2021
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		ZW44A ZW44A		No Part Number Change	March 2021 March 2021		October 2021 October 2021
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