



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

ADVANCE PRODUCT CHANGE NOTIFICATION

APCN: APCN201001

Date: March 06, 2020

Subject: Planned Qualification of New Assembly, Test, and Finish Sites for Select RAM Products

To: PCN Coordinator PCN Coordinator
FUTURE
PCN.System@Future.ca

Description of Change:

Cypress is planning to qualify new sources of supply for select RAM products currently running at JCET (78 Changshan Rd, Jiangyin, Jiangsu, China 214400) and OSET (12-2 Nei 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 for Assembly, Test, and Finish (No.136, Gon-Yi Rd. Zhunan Township, Miaoli County 350 Taiwan, R.O.C.)
- b. UTAC Thailand for Assembly, Test, and Finish (237 Lasalle Road, Sukhumvit 105 Bangna, Bangkok 10260 Thailand)
- c. Unimos China for Assembly (9688 Songze Ave., Qingpu Industrial Zone, Shanghai, China)
- d. KYEC Taiwan for Test and Finish (No. 81, Sec.2, Gongdaowu Rd., Hsin-Chu 300, Taiwan, R.O.C.)
- e. Cypress Philippines for Assembly, Test, and Finish (Gateway Business Park, SEPZA, Brgy., Javalera, General Trias, Cavite, Philippines)
- f. Cypress Bangkok for Assembly, Test, and Finish (229 Moo 4 Changwattana Road, Bangkok, Thailand)

These sites are qualified to build standard and 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 Assy Site	New Assy Site	Current Test/ Finish Site	New Test/ Finish Site	Estimated Cypress Qualification Date	Estimated PCN Publication Date	Estimated Implementation Date
ZW44A/ ZW44B	TSOPII 44L (400mils)	JCET and OSET	Greatek	Chipmos, ASE and CML	No Change	Mar-2021	Apr-2021	Jul-2021
ZW44A	TSOPII 44L (400mils) - Stack Die	OSET	Greatek	Chipmos and CML	No Change	Mar-2021	Apr-2021	Jul-2021
SZ324	SOIC 32L (450mils)	JCET	Greatek	JCET and CML	KYEC and CML	Dec-2020	Jan-2021	Apr-2021
ZB32/ ZB32F	TSOP 32L (8x13.4)	JCET	Greatek	JCET, ASE and CML	Chipmos, ASE and CML	Mar-2021	Apr-2021	Jul-2021
SP48	SSOP 48L (300mils)	JCET	Greatek	JCET and CML	CML	Dec-2020	Jan-2021	Apr-2021
VZ364	SOJ 36 (400mils)	JCET	Greatek	JCET and CML	KYEC and CML	Sep-2020	Oct-2020	Jan-2021
ZZ20	TSSOP 20L (173mils)	OSET	Greatek	OSET and CML	CML	Mar-2020	Apr-2020	Jul-2020
VZ324	SOJ 32 (400mils)	JCET	Greatek	JCET and CML	KYEC and CML	Mar-2021	Apr-2021	Jul-2021
VZ323	SOJ 32 (300mils)	JCET	Greatek	JCET and CML	KYEC and CML	Sep-2020	Oct-2020	Jan-2021
VZ44A	SOJ 44 (400mils)	JCET	Greatek	JCET and CML	KYEC and CML	Dec-2020	Jan-2021	Apr-2021
VZ283	SOJ 28 (300mils)	JCET	Greatek	JCET and CML	KYEC and CML	Mar-2021	Apr-2021	Jul-2021
ZZ08	TSSOP 8L (173mils)	OSET	UTAC	OSET and CML	UTAC and CML	Jun-2020	Jul-2020	Oct-2020
ZW32A	TSOPII 32L (400mils)	OSET	Unimos	CML	No Change	Jun-2020	Jul-2020	Oct-2020
ZT48A	TSOP 48L (12x20)	OSET	BKK	Chipmos	No Change	Dec-2020	Jan-2021	Apr-2021
ZT32R	TSOP 32L (8x20)	OSET	CML	OSE and CML	Chipmos and CML	Jun-2020	Jul-2020	Oct-2020

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: 247

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.

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	Test/Finish Transfer	Part Number After Transfer	Estimated CY Qualification Date	Estimated PCN publication date	Estimated CY Implementation date
1	CY14B101KA-SP25XI	SP48	Greatek	CML	No Part Number Change	December 2020	January 2021	April 2021
2	CY14B101KA-SP25XIT	SP48	Greatek	CML	No Part Number Change	December 2020	January 2021	April 2021
3	CY14B101KA-SP45XI	SP48	Greatek	CML	No Part Number Change	December 2020	January 2021	April 2021
4	CY14B101KA-SP45XIT	SP48	Greatek	CML	No Part Number Change	December 2020	January 2021	April 2021
5	CY14B108K-ZS25XI	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
6	CY14B108K-ZS25XIT	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
7	CY14B108K-ZS45XI	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
8	CY14B108K-ZS45XIT	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
9	CY14B108L-ZS20XI	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
10	CY14B108L-ZS20XIT	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
11	CY14B108L-ZS25XI	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
12	CY14B108L-ZS25XIT	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
13	CY14B108L-ZS45XI	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
14	CY14B108L-ZS45XIT	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
15	CY14B116K-ZS25XI	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
16	CY14B116K-ZS25XIT	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
17	CY14B116L-Z45XI	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
18	CY14B116L-Z45XIT	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
19	CY14B116L-ZS25XI	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
20	CY14B116L-ZS25XIT	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
21	CY14B116N-Z30XI	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
22	CY14B116N-Z30XIT	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
23	CY14B116N-Z45XI	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
24	CY14B116N-Z45XIT	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
25	CY14B256KA-SP25XI	SP48	Greatek	CML	No Part Number Change	December 2020	January 2021	April 2021
26	CY14B256KA-SP25XIT	SP48	Greatek	CML	No Part Number Change	December 2020	January 2021	April 2021
27	CY14B256KA-SP45XI	SP48	Greatek	CML	No Part Number Change	December 2020	January 2021	April 2021
28	CY14B256KA-SP45XIT	SP48	Greatek	CML	No Part Number Change	December 2020	January 2021	April 2021
29	CY14B256LA-ZS25XI	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
30	CY14B256LA-ZS25XIT	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
31	CY14E116L-ZS25XI	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
32	CY14E116L-ZS25XIT	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
33	CY14E116N-Z30XI	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
34	CY14E116N-Z30XIT	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
35	CY2304NZZXC-1	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
36	CY2304NZZXC-1T	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
37	CY2304NZZXI-1	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
38	CY2304NZZXI-1T	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
39	CY25100KZXC46	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
40	CY25100KZXC46T	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
41	CY25100ZXCFT	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
42	CY25100ZXCFTT	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
43	CY25100XIF	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
44	CY25100XIFT	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
45	CY25404ZXI-003	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
46	CY25404ZXI-003T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
47	CY25404ZXI009	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
48	CY25404ZXI009T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
49	CY25404ZXI011	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
50	CY25404ZXI011T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
51	CY25404ZXI012	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
52	CY25404ZXI012T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
53	CY25404ZXI217	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
54	CY25404ZXI217T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
55	CY25404ZXI223	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
56	CY25404ZXI223T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
57	CY25404ZXI226	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
58	CY25404ZXI226T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
59	CY25404ZXI227	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
60	CY25404ZXI227T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
61	CY25404ZXI231	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
62	CY25404ZXI231T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
63	CY25404ZXI239	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
64	CY25404ZXI239T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
65	CY25404ZXI241	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
66	CY25404ZXI241T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
67	CY25404ZXI243	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
68	CY25404ZXI243T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
69	CY25404ZXI301	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
70	CY25404ZXI301T	ZZ20	Greatek	CML	No Part Number Change	March 2020	April 2020	July 2020
71	CY62128ELL-46SXI	SZ324	Greatek	KYEC and CML	No Part Number Change	December 2020	January 2021	April 2021
72	CY62128ELL-46SXI1	SZ324	Greatek	KYEC and CML	No Part Number Change	December 2020	January 2021	April 2021
73	CY62128ELL-46ZAXI	ZB32	Greatek	Chipmos, ASE and CML	No Part Number Change	March 2021	April 2021	July 2021

222	CG7800AA	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
223	CG7800AAT	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
224	CG7877AA	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
225	CG7877AAT	ZZ08	UTAC	UTAC and CML	No Part Number Change	June 2020	July 2020	October 2020
226	CG7947AA	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
227	CG7947AAT	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
228	CG8254AA	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
229	CG8265AA	SZ324	Greatek	KYEC and CML	No Part Number Change	December 2020	January 2021	April 2021
230	CG8395AT	ZW44B	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
231	CG8395ATT	ZW44B	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
232	CG8530AAT	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
233	CG8630AA	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
234	CG8630AAT	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
235	CG8836AMT	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
236	CG8875AM	SZ324	Greatek	KYEC and CML	No Part Number Change	December 2020	January 2021	April 2021
237	CG8875AMT	SZ324	Greatek	KYEC and CML	No Part Number Change	December 2020	January 2021	April 2021
238	CG8896AA	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
239	CG8896AAT	ZT48A	Cypress BKK	No Change(Chipmos)	No Part Number Change	December 2020	January 2021	April 2021
240	CG8975AM	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
241	CG8975AMT	ZW44A	Greatek	No Change(Chipmos and CML)	No Part Number Change	March 2021	April 2021	October 2021
242	CG8985AM	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
243	CG8985AMT	ZW44A	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
244	CG9071AM	ZW44B	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
245	CG9071AMT	ZW44B	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
246	CG9075AM	ZW44B	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021
247	CG9075AMT	ZW44B	Greatek	No Change(Chipmos, ASE and CML)	No Part Number Change	March 2021	April 2021	October 2021