



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: TOKYO ELECTRON DEVICE
TELDEVICE
cy-inside@teldevice.co.jp

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