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PRODUCT CHANGE NOTIFICATION

PCN: PCN145331

Date: September 14, 2014

Subject: Qualification of the New 2Mb SPI and Parallel Asynchronous F-RAM Product Series

To: PCN ADMIN
CYPRESS
pcn_admin@cypress.com

Change Type: Minor

Description of Change:

Cypress is pleased to announce the qualification of the new 2Mb Serial Peripheral Interface (SPI) and parallel asynchronous F-RAM product series.

Cypress will be discontinuing the existing 2Mb SPI and parallel asynchronous F-RAM product series. The list of affected part numbers with replacement part numbers, Last Time Buy (LTB), and Last Time Ship (LTS) dates are provided in an attachment to this notification.

New datasheets have been issued for the new part numbers. Datasheets for both the old and the new part numbers can be downloaded from the Cypress web site by going to www.cypress.com/nonvolatile/ and clicking on the "Datasheets" link in the "Related Documentation" section on the right-hand side of the webpage. Datasheet changes are listed in an attachment to this notification.

The new 2Mb SPI and parallel asynchronous F-RAM product series will have Copper Palladium (CuPd) wire bonds. Devices with date codes after 1437 will have a "C" top marked in the lower right hand corner of the device to designate CuPd wire bonds. The new 2Mb SPI and parallel asynchronous F-RAM product series will also be packaged and rated as Moisture Sensitive Level (MSL) 3.

Benefit of Change:

The new products will provide a higher level of quality and reliability. Cypress may add a top passivation layer to the new devices.

Affected Part Numbers: 11**Affected Parts: Refer to table below**

No.	Affected MPN	Replacement MPN
1	FM21L16-60-TG	FM28V202A-TG
2	FM21L16-60-TGTR	FM28V202A-TGTR
3	FM25H20-DG	FM25V20A-DG
4	FM25H20-DGTR	FM25V20A-DGTR
5	FM25H20-G	FM25V20A-G
6	FM25H20-GTR	FM25V20A-GTR
7	FM25V20-DG	FM25V20A-DG
8	FM25V20-DGTR	FM25V20A-DGTR
9	FM25V20-G	FM25V20A-G
10	FM25V20-GTR	FM25V20A-GTR
11	FM25V20-PG	FM25V20A-PG

Qualification Status:

The new products and the CuPd wire bonds have been qualified through a series of tests documented in Qualification Test Plan (QTP) reports listed in the table below. The QTP reports can be found as attachments to this notification or by visiting www.cypress.com and typing the QTP number into the keyword search window.

Qualification Description	QTP Number
New Products	133705
8 Lead PDIP with CuPd	140501
8 Lead SOIJ with CuPd	140502
8 Lead TDFN with CuPd	140503
44 Lead TSOP II with CuPd	141003

Sample Status:

Samples for the replacement products listed in the attached 'Affected Part Numbers' file are available now. Please contact your sales representative as soon as possible, and no later than 30 days from this notification to place sample orders.

Approximate Implementation Date:

The new products are available with the date of this notification. The previous 2Mb SPI and parallel interface products listed under the 'Affected Part Number' column in the attachment are subject to End of Life (EOL) with the Last Time Buy (LTB) and Last Time Ship (LTS) dates indicated in the attachment.

Anticipated Impact:

The drop-in replacements are form, fit, and function compatible with the existing parts.

Cypress 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 our products to the 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