



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

PRODUCT CHANGE NOTIFICATION

PCN: PCN145352

Date: December 15, 2014

Subject: Standardization of Moisture Sensitive Level (MSL) Classification for F-RAM Products

To: HIRONO KAKINUMA
CYPRESS INTERNAL
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Change Type: Minor

Description of Change:

Cypress is standardizing the Moisture Sensitive Level (MSL) of F-RAM products to be consistent with all other Cypress products. This standardization requires MSL 1 and MSL 2 F-RAM products to be converted to MSL 3. There will be no material, process or part number revisions associated with this change, other than the implementation of dry pack prior to the shipment.

Benefit of Change:

This change will standardize F-RAM MSL rating to be in-line with other Cypress products.

Affected Part Numbers: 86

Affected Parts: Refer to attached 'Affected part list' file.

Qualification Status:

The Qualification Test Plan (QTP) reports have been updated and are 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.

Product Family Description	QTP Number
Processor Companion with Serial F-RAM	124908 130101
512Kb and 1Mb Serial F-RAM	124909
4Kb, 16Kb and 64Kb Serial F-RAM AEC-Q100 Grade 1	130105
4Kb, 16Kb, 64Kb and 256Kb Serial F-RAM	130104
64Kb and 256Kb Parallel F-RAM	130804 131102

Approximate Implementation Date:

Effective 90 days after this notification, Cypress will begin to transition all F-RAM products to MSL 3 classifications.

Anticipated Impact:

MSL 3 devices have a 12 month shelf life at <40 C and <90% relative humidity (RH) from the bag seal date. Additional information, such as mounting and baking requirements, can be found on the MSL 3 label in the attached document.

Products manufactured with MSL 3 are completely compatible with existing product from a functional, parametric and quality performance perspective.

Cypress also 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