



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

PRODUCT INFORMATION NOTIFICATION

PIN: PIN145284

Date: March 22, 2014

Subject: Qualification of a Top Passivation Layer on F-RAM Devices

To: PCN ADMINISTRATOR
CYPRESS PCN ADMIN
pcn_admin@cypress.com

Change Type: Minor

Description of Change:

Cypress has qualified a top passivation layer to the Texas Instruments F-RAM wafer manufacturing process. This added passivation layer a) strengthens the existing passivation layer to prevent scratches due to wafer handling during die preparation, transit, and assembly and b) thickens the existing passivation layer to protect wire bonding pads. See the attached file for a cross-section comparison of the existing and new passivation layers.

Benefit of Change:

Cypress may add the top passivation layer to select F-RAM products. The top passivation layer can improve assembly yields by minimizing wafer scratches and metal pad distortion.

Affected Part Numbers: 118

Affected Parts: See the attached file for a list of all F-RAM memory part numbers affected by this change.

Qualification Status:

Qualification Test Plan (QTP) Reports 133202 and 133203 covering the qualification for the top passivation layer for F-RAM devices are attached to this notification. They can also be found on www.cypress.com by typing the QTP number into the keyword search window.

Approximate Implementation Date:

Effective with the date of this notification, Cypress will transition to shipments of the qualified top passivation layers.

Anticipated Impact:

None expected. Products manufactured are completely compatible with existing product from a functional, parametric, and quality performance perspective.

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:

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