

CYPRESS SEMICONDUCTOR

PRODUCT CHANGE NOTIFICATION

PCN: 000048 UPDATE

DATE: February 24, 2001

Subject: Additional Die Attach Methodology for 28-lead SOJ and Narrow SOIC package, Moisture Level 3 Manufactured in the Philippines (CSPI-R) **UPDATE** to include part numbers.

To:

Customer Category:

Description of change:

Cypress has qualified an additional die attach methodology known as snap cure because of its shorter duration for die attach cure.

The new die attach material is QMI 509. This material allows for a reduction in die attach cure time from 2 hours to less than 1 minute. The die attach temperature will be 230°C.

Our current process uses Ablestik 8361H cured at 175°C for 2 hours.

Cypress part numbers affected:

All 28-lead SOJ and Narrow SOIC packages manufactured at our assembly site in the Philippines (CSPI-R). All lead counts less than 28 are also qualified by extension.
CY2254*, CY2277*, CY2281*, CY2282*, CY2285*, CY2291*, CY2295*, CY2309*, CY2310*, CY2313*, CY2314*, CY2961*, CY62256*, CY6264*, CY7C1006*, CY7C1009*, CY7C106*, CY7C107*, CY7C109*, CY7C128*, CY7C1399*, CY7C150*, CY7C161*, CY7C162*, CY7C164*, CY7C166*, CY7C167*, CY7C168*, CY7C172*, CY7C182*, CY7C185*, CY7C187*, CY7C192*, CY7C194*, CY7C195*, CY7C196*, CY7C197*, CY7C199*, CY7C245*, CY7C291*, CY7C293*, CY7C408A*, CY7C409A*, CY7C419*, CY7C421*, CY7C425*, CY7C433*, CY7C630*, CY7C1019*, CY7C1046*, CY7C63001*, CY7C63100*, CY7C63101*, CY7C63613*, ICD2028*, PALCE16V8*, W134*, W137*, W139*, W223*, W256*, W530*, W40S11*, W40S111*

Benefit of change:

This change will improve manufacturing cycle time, which will result in improved availability.

Customer part numbers affected:

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Qualification status:

Completed. The qualification report # is 002602. The Snap Cure Die Attach methodology exhibits performance equivalent to current production.

Sample status:

Samples are available upon request by contacting our local sales office.

Approximate Implementation Date:

Production release of new material will be March 22nd, 2001 or as agreed to per your contract terms and conditions.

Response Required:

If the cover letter indicates that your company is designated as "Category A or Category C" and there are current orders pending, this form must be signed and returned as soon as possible. If acceptance is not received, delays in shipment may occur.

Category 'C' customers

If No response is received within 90 days the change will be incorporated.

Category 'A' or Category 'C' customer:

Change accepted by: _____ Note: If Change is Not applicable to your facility enter N/A

Print Name: _____ Company: _____

Title: _____ Date: _____

PCN Sent to: _____ Company: _____

*Fax signed approval to Amanda Valle-Diaz at 408-943-2165 or reply by E-mail to pcn_adm@cypress.com
For any additional information regarding this change, contact your local sales representative.*

Sincerely,

Michael Burke
Director of Quality