



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

PRODUCT INFORMATION NOTIFICATION

PIN: PIN192903

Date: July 18, 2019

Subject: Cypress Date Code Policy and Shelf Life Extension

Change Type: Minor

Description of Change:

Cypress announces a change to its Date Code Policy for finished goods shipment. Effective with the release of this notice, Cypress will begin shipping finished goods material which has been properly stored in a sealed moisture barrier bag up to 5 years after its mark date code.

Historically, Cypress' general policy had been to ship commercial and industrial grade material with a mark date code less than 2 years old. This was consistent with JEDEC J-STD-033D and meant to ensure there would be no solderability or other issues with that material. Beginning in 2002, manufacturers of semiconductor integrated circuits (NEDA – the National Electronic Distributors Association) began advocating for a change in date code policy as both field data and internal studies showed no degradation of finished goods material when properly stored. In the meantime, 16 of our peers have relaxed their shelf life policy beyond the JEDEC recommendation of 2 years. This change is being done based upon extensive testing of Cypress' aged, finished goods (to be discussed below) and in order to be consistent with our industry peers.

There are no changes to ordering part numbers. Product datasheets remain the same and can be downloaded from the Cypress Website (www.cypress.com).

Benefit of Change:

This change will allow Cypress to more efficiently utilize its existing inventory as well as enhance our ability to maintain continuity of supply on mature products without sacrificing quality or reliability.

Part Numbers Affected:

All commercial and industrial packaged integrated circuit products offered by Cypress whose shelf life is not governed by a pre-existing agreement will be affected by this change. Note that

new products introduced after the publication of this PIN will include all changes outlined in this PIN.

Qualification Status:

Finished goods material varying in age from 2 to 17 years, sourced from 20 assembly sites, with 9 different lead finishes and dozens of package types was tested for solderability and inspected for discoloration or other signs of deterioration. In all, 63,000 units were tested with zero solderability failures and only 3 units with discoloration (47 ppm). All 3 discolored units subsequently passed solderability testing.

Approximate Implementation Date:

This change will be effective with the date of this notification.

Anticipated Impact:

Products with extended shelf life are completely compatible with existing product from form, fit, functional, parametric, quality, and reliability performance perspectives.

Method of Identification:

The mark date code can be used to identify effected material. In addition, this change will have no impact on the traceability of the product.

Response Required:

This is an information only announcement. No response is required.

For additional information regarding this change, please contact your local sales representative or the PCN Administrator at pcn_adm@cypress.com.

Sincerely,

Cypress PCN Administration