



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

## PRODUCT INFORMATION NOTIFICATION

**PIN:** PIN181001

**Date:** March 06, 2018

**Subject:** 64Kb/256Kb Processor Companion I2C F-RAM Product Family Datasheet Update to include Oscillator Start-Up Time Parameter

**To:** GENERAL INBOX  
PREMIER FARNELL  
ProductChangeNotices@premierfarnell.com

**Change Type:** Minor

### Description of Change:

Cypress announces an update to the 64kb/256kb processor companion I2C F-RAM product family datasheets to include the oscillator start-up time ( $t_{osc}$ ) parameter for the Real Time Clock (RTC). ' $t_{osc}$ ' is the time taken to start the RTC oscillator after it is enabled by setting oscillator enable bit (/OSCEN) to zero (0). The addition of this parameter is meant to align customer expectations to internal test requirements.

The following table shows the parameter that is added to the datasheet.

Parameter	Description	Min	Typ	Max	Units
$t_{osc}$	Time to start RTC oscillator	-	-	2	sec

There are no changes to ordering part numbers. Updated product datasheets can be downloaded from the Cypress Website ([www.cypress.com](http://www.cypress.com)).

### Benefit of Change:

This change will improve product testing and reduce lead times.

### Part Numbers Affected: 14

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts that are introduced after the publication of this PIN will include all changes outlined in this PIN.

### Approximate Implementation Date:

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

**Anticipated Impact:**

Cypress recommends that customers review this change against their system design and environment conditions to assess impact (if any) to their application.

**Method of Identification:**

Cypress maintains traceability of product to 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](mailto:pcn_adm@cypress.com).

Sincerely,

Cypress PCN Administration