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:

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).

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.

Sincerely,

Cypress PCN Administration

Item	Marketing Part Number
1	FM31256-G
2	FM31256-GTR
3	FM31256-G1
4	FM31256-G1TR
5	FM31276-G
6	FM31276-GTR
7	FM31278-G
8	FM31278-GTR
9	FM3164-G
10	FM3164-GTR
11	FM31L276-G
12	FM31L276-GTR
13	FM31L278-G
14	FM31L278-GTR