

The following document contains information on Cypress products. Although the document is marked with the name "Spansion", the company that originally developed the specification, Cypress will continue to offer these products to new and existing customers.

Continuity of Specifications
There is no change to this document as a result of offering the device as a Cypress product. Any changes that have been made are the result of normal document improvements and are noted in the document history page, where supported. Future revisions will occur when appropriate, and changes will be noted in a document history page.

Continuity of Ordering Part Numbers
Cypress continues to support existing part numbers. To order these products, please use only the Ordering Part Numbers listed in this document.

For More Information
Please contact your local sales office for additional information about Cypress products and solutions.

About Cypress
Cypress (NASDAQ: CY) delivers high-performance, high-quality solutions at the heart of today's most advanced embedded systems, from automotive, industrial and networking platforms to highly interactive consumer and mobile devices. With a broad, differentiated product portfolio that includes NOR flash memories, F-RAM™ and SRAM, Traveo™ microcontrollers, the industry's only PSoC® programmable system-on-chip solutions, analog and PMIC Power Management ICs, CapSense® capacitive touch-sensing controllers, and Wireless BLE Bluetooth® Low-Energy and USB connectivity solutions, Cypress is committed to providing its customers worldwide with consistent innovation, best-in-class support and exceptional system value.

MB91590 series

32bit microcontorller

FR81S

Hardware Manual

Errata Sheet

Summary	Page	Error	Correct
Pin description error	89	・General-purpose I/O port (3V pin) (pin name) P060 to P067 ・General-purpose I/O port (3V pin) (pin name) P070 to P077 ・General-purpose I/O port (3V pin) (pin name) P080 to P087 ・General-purpose I/O port (3V pin) (pin name) P090 to P097 ・General-purpose I/O port (3V pin) (pin name) P100 to P107 ・General-purpose I/O port (3V pin) (pin name) P110 to P117 ・General-purpose I/O port (3V pin) (pin name) P120 to P127 ・General-purpose I/O port (3V pin) (pin name) P130 to P137 (P135 is a missing number)	・General-purpose I/O port (pin name) P060 to P067 ・General-purpose I/O port (pin name) P070 to P077 ・General-purpose I/O port (pin name) P080 to P087 ・General-purpose I/O port (pin name) P090 to P097 ・General-purpose I/O port (pin name) P100 to P107 ・General-purpose I/O port (pin name) P110 to P117 ・General-purpose I/O port (pin name) P120 to P127 ・General-purpose I/O port (pin name) P130 to P137 (P135 is a missing number)
FLASH FAW bit description	1744	... the flash memory at 80MHz or more,... (Or, other series has a description of "80MHz or higher")	... the flash memory at greater than 80MHz,...