

# Freescale Semiconductor Addendum

Document Number: MPC8240UMAD

Rev. 1.2, 3/2008

# **Errata to MPC8240 Integrated Processor User's Manual, Rev. 1**

This errata describes corrections to the MPC8240 Integrated Processor User's Manual, Revision 1. For convenience, the section number and page number of the errata item in the reference manual are provided. Items in bold are new since the last revision of this document.

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# Section, Page No.

# Changes

3.1, 3-2

In Table 3-1, "Address Map B—Processor View in Host Mode," the PCI address range for the processor address range 8000\_0000 through FDFF-FFFF should read as follows:

8000_0000	FDFF_FFFF	2G	4G – 32M – 1	8000_0000-FDFF_FFFF	PCI memory space
_	_	_	_	<del>_</del>	_

4.8.2, 4-38

Remove the unmarked figure that is above Table 4-33, "Bit Settings for Error Enabling Register 2 (ErrEnR2)—0xC4") and below the introduction sentence for Table 4-33.

4.10, 4-43

In Table 4-38, "Bit Settings for MCCR1—0xF0," the description of bits 22–21 (DBUS\_SIZ[0-1]), 'For FPM/EDO systems only, (RAM\_TYPE=1)' should be on the same line with '0x 32-bit data bus.' The description should read as follows:

22–21	DBUS_SIZ[0-1]	xx	Read-only. This field indicates the state of the ROM bank 0 data path width configuration signals [DL[0], FOE] at reset as follows:  For ROM/Flash chip select #0 (RCSO):  00 32-bit data bus.  x1 8-bit data bus.  10 64-bit data bus.  For ROM/Flash chip select #1 (RCS1) and (S)DRAM:  0x 32-bit data bus. For FPM/EDO systems only (RAM_TYPE=1).
			, , , , ,

4.10, 4–46

In Table 4-40, "Bit Settings for MCCR3—0xF8," replace the "Wait States for ROM High Impedance" table in the description for bits 31–29 with the following. Note the addition of rows for 011 and 110:



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# Changes

Bits	Name	Reset Value	Description					
31–29	TS_WAIT_ TIMER[0-2]	000	Transaction start wait states timer. The minimum time allowed for ROM/Flash/fl					
				Wait States for ROM High Impedance				
			Bits	Reads with Wide Data Path (32- or 64-Bit)	Reads with Gather Data Path in Flow-Through or Registered Buffer Mode (8-, 16-, 32-Bit)	All Writes <sup>1, 2</sup> and Reads with Gather Data Path in In-Line Buffer Mode (8-, 16-, 32-Bit		
			000	2 clocks	5 clocks	6 clocks		
			001	2 clocks	5 clocks	6 clocks		
			010	3 clocks	5 clocks	6 clocks		
			011	4 clocks	5 clocks	6 clocks		
			100	5 clocks	6 clocks	7 clocks		
			101	6 clocks	7 clocks	8 clocks		
			110	7 clocks	7 clocks	7 clocks		
			111	8 clocks	9 clocks	10 clocks		
			2: For	his context, Flash w	rites are defined as any w le write recovery time, RC pedance time.			

5.4.2.3, 5-23

Replace information regarding AN1767 with AN2129, as follows: "*Instruction and Data Cache Locking on the e300 Processor Core* application note (order number: AN2129)."

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#### **USA/Europe or Locations Not Listed:**

Freescale Semiconductor, Inc.
Technical Information Center, EL516
2100 East Elliot Road
Tempe, Arizona 85284
+1-800-521-6274 or
+1-480-768-2130
www.freescale.com/support

#### Europe, Middle East, and Africa:

Freescale Halbleiter Deutschland GmbH Technical Information Center Schatzbogen 7 81829 Muenchen, Germany +44 1296 380 456 (English) +46 8 52200080 (English) +49 89 92103 559 (German) +33 1 69 35 48 48 (French) www.freescale.com/support

#### Japan:

Freescale Semiconductor Japan Ltd. Headquarters ARCO Tower 15F 1-8-1, Shimo-Meguro, Meguro-ku Tokyo 153-0064 Japan 0120 191014 or +81 3 5437 9125 support.japan@freescale.com

## Asia/Pacific:

Freescale Semiconductor Hong Kong Ltd.
Technical Information Center
2 Dai King Street
Tai Po Industrial Estate
Tai Po, N.T., Hong Kong
+800 2666 8080
support.asia@freescale.com

# For Literature Requests Only:

Freescale Semiconductor
Literature Distribution Center
P.O. Box 5405
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