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Addendum

MPC860UMAD Rev. 2.4, 4/2004

Errata to the MPC860 PowerQUICC™ Family User's Manual, Rev. 2



This errata describes corrections to Revision 2 of the *MPC860 PowerQUICC*[™] Family User's *Manual* (Order No. MPC860UM, Rev. 2).

The MPC860 is a PowerPCTM architecture-based quad integrated communications controller (PowerQUICCTM). The CPU on the MPC860 is the MPC8xx core, a 32-bit microprocessor that implements the PowerPC architecture, incorporating memory management units (MMUs) and instruction and data caches.

1 Document Revision History

Table 1 provides a revision history for this document.

Table 1. Document Revision History

Rev. No.	Substantive Change(s)
2.2	Added new errata items from Section 12.5 (page 12-27), Section 27.8 (page 27-13, 27-14), Section 27.22 (page 27-29), Section 31.4.1.2 (page 30-9, 30-10), and Section 34.2.1 (page 34-4).
2.3	Added new errata item from Section 32.4.3 (page 32-8).
2.4	Added new errata items for Section 22 (page 22-1), Section 22.16 (page 22-15), Section 31.4.1.2 (page 30-9), and Section B.3.1 (page B-4)

2 Document Errata

The section and page numbers of new errata items added since the last errata addendum are boldfaced.

Section/Page

12.5, 12-27

22, 22-1

22.16, 22-15

Changes

In the second row of Table 12-5, add a footnote at the end of the sentence that states:

At power-on reset, port pin states are not defined in any particular state until CLKOUT is present for two clocks.

The last sentence in the last paragraph should be removed.

In the RZS field (bit 7) of Table 22-9, for selection 1, the second sentence in the paragraph (making reference to V.14 applications) should be removed.





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Section, Page No.	Changes
27.8, 27-13	Add superscript number 2 after PADDR1_H, PADDR1_M, and PADDR1_L.
27.8, 27-14	Add superscript number 2 after TADDR_H, TADDR_M, and TADDR_L. At the end of Table 27-1, add a note with the following statement:
	The address should be written in little endian, not Motorola's big-endian format (that is, physical address 112233445566 should be written PADDR_L = 6655, PADDR_M = 4433, and PADDR_H = 2211. The TADDR should be written in the same way as the PADDR).
27.22, 27-29	Change the last sentence in step 26 to read, "Then write 0x000E to TxBD[Data"
30.4.1.2, 30-9	In the last sentence of example 1, change the order of the string for $REV = 1$ to the following:
	first j_klmnr_stuv last
	Also, on all three examples, tab last and lsb to the right so that they do not appear to be part of the string.
30.4.1.2, 30-10	In the last sentence of example 3, change the order of the string for $REV = 1$ to the following:
	first r_stuv_ghij_klmn last
32.4.3, 32-8	In Table 31-3, replace the text in the description with the following:
	Division ratio 0–7. Specifies the divide ratio of the BRG divider in the I ² C clock generator. The output of the prescalar is divided by $2 \times (DIV + 3 + (2 \times FLT))$, and the clock has a 50% duty cycle. The FLT bit is in the I2MOD register. The minimum value for DIV is 3 if the digital filter is disabled (FLT = 0) and 6 if the digital filter is enabled (FLT = 1).
33.1, 33-2	Add a footnote reference number at the end of the statement of the sixth bullet with the following footnote:
	At power-on reset, port pin states are not defined in any particular state until CLKOUT is present for two clocks.
34.2.1, 34-4	The first bullet should reference $SPS = 0$, and the second bullet should reference $SPS = 1$.
43.2.12, 43-10	Change the term '60x' in the first and fourth sentences to 'external.'
B.3.1, B-4	In Table B-1, the row making reference to SCC in Profibus (seventeenth row) should be removed.

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Section, Page No.

Changes

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