68HC12 Microcontroller: Theory and Applications
Errata Sheet, Last revised: Oct 11, 2007
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Note: To determine printing number, find the ISBN number opposite page iii. Above the ISBN are the numbers 10 9 8…
The last number in the series indicates the printing number.

1st Edition, **1st Printing (2nd - 4th printing on following page)**

Location	Error	Submitted by
Pg 2	Change "1823" to "1642"	J. Hamman, Univ of Wyoming
Pg 9, line 11	Remove the word "is"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 10, sect 1.4.2, line 2	Change "consists" to "consisting"	S. Barrett, Univ of Wyoming
Pg 18, H flag discussion, line 2 C flag discussion	Add "(a)" after Figure 2.2 Change "17" to "23"	S. Robinson, Colorado State University J. Hamman, Univ of Wyoming
Pg 22, Figure 2.3	Change opcode in location $4000 from ($86) to ($B6)	J. Hamman, Univ of Wyoming
On pg 24, the first instruction under the example heading.	MOVB should be "moves a byte of memory from location a to location b" instead of moves the contents of accumulator B.	D. Pack, U.S. Air Force Academy, CO
Pg 27, Rotate and Shift	Change "$5F" to "$6F"	J. Hamman, Univ of Wyoming
Pg 33, Practice Questions	Change "$43" to "$41"	T. Kubler, U.S. Air Force Academy, CO
Pg 34, EMACS instruction description	Remove "a" before "four"	T. Kubler, U.S. Air Force Academy, CO
Pg 53, para 2.5.6	Change "BNE" to "BEQ" in example	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 69, Advanced #2	Change: "BHE" to "BGE", "BHT" to "BHS", "BNZ" to "BNE"	S. Koskie, Indiana University – Purdue University Indianapolis (IUPUI), IN
Pg 73, line 16	Change "LDAA" to "STAA" and "A" to "10"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 74, code example	Change "$1,X" to "$0,X" and "$2,X" to "$1,X" Change corresponding opcodes "A601" to "A600" and "E602" to "E601"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 75, code example, lines 10, 11	Change "NUM-ONE" and "NUM-TWO" to "NUM_ONE" and "NUM_TWO"	J. Davies, University of Glasgow, Glasgow, UK
Pg 77, 2nd code example	Change "ADAB" to "ADDB"	S. Barrett, Univ of Wyoming
Pg 78, last line	Change "$7FFF" to "$8000"	B. Mullins, U.S. Air Force Academy, CO
Pg 92, main()	Change "porgram" to "program"	S. Barrett, Univ of Wyoming
Pg 93, LDX command	Change "$FF16" to "$FE16" (3 places), Change "$FF17" to "$FE17"	H. Valenta, Biomedical Research Associates, Aurora CO
Pg 97, second paragraph	Delete "a" before "formatted"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 98, code example, line 3	Insert "item" between ":" and "<%u>"	S. Koskie, Indiana University – Purdue University Indianapolis (IUPUI), IN
Pg 98, code example	Insert "LEAS 4, SP" right after "JSR 0,X" (cleans up stack – note two PSHD commands)	B. Mullins, U.S. Air Force Academy, CO
Pg 103, 2nd paragraph	Change "$C200" to "$4200" and "$C100" to "4100"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 137, line 2	Change "$20" to "$08"	T. Pornthanomwong, Oakland Univ, MI
Pg 140, Fig 4.13 and para 1, line 4	Change "56" to "51"	X. Kovah, University of Minnesota
Pg 147, second to last paragraph, last sentence	Change "fuzzification" to "defuzzification"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 153, Line 26	$0A $00 should be $0A	D. Pack, USAF Academy, CO
Page 154 Line 97:	O_R_VW,O_L_WE,MARKER,O_ZR,ENDR should be O_R_VW,O_L_VW,MARKER,O_ZR,ENDR	D. Pack, USAF Academy, CO
Pg 161, Figure 4.20	Change "$7B" to "$80"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 163, Section 4.7, Line 19	Insert "truth" between "membership" and "values"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 168, line 3	Insert "or head" after "tail"	S. Koskie, Indiana University – Purdue University Indianapolis (IUPUI), IN
Pg 169, last sentence before Practice Questions	Change "Section" to "Figure"	K. Habib, University of Western Ontario, London, Ontario, Canada
Pg 179, example code	Exchange address of DDRC and PORTC, DDRC: "$0006", PORTC: "$0004"	T. Pornthanomwong, Oakland Univ, MI
Pg 185, Fig 5.9 Pg 215, Fig. 6.7	CCR Mask Column, change "1 bit" to "I bit", Change "ADIE" to "ASCIE", Change "TCn" references to "CnI", Change "PAII" to "PAI"	S. Barrett, Univ of Wyoming D. Mares, Univ of Wyoming S. Koskie, Indiana University – Purdue University Indianapolis (IUPUI), IN
Pg 222, first question	Change answer to: $78E3 (return address), X: $3610	J. Peng, Western Kentucky University
Pg 227, 2nd code example	Change "#INTCR_IN" to "#INTCR_INI"	C. Straley, Univ of Wyoming
Pg 229, Fig 6.14	Add (RTIFLG) after register name	S. Barrett, Univ of Wyoming
Pg 232, LDS command	Insert "#" before $7FFF	D. Pack, U.S. Air Force Academy, CO
Pg 233, code listing	Delete: "CPD #FIFTEEN" Add: "LDX #FIFTEEN ;if zeroed, initialize counter" after "BNE NOT_YET"	L. Bertrand, Durham College, Oshawa, Ontario, Canada
Pg 244, Section 7.4, line 3 Line 11, Para 7.4	Change "Source" to "System" Change "he" to "the" Change references from "CLK2" to "CLK0"	C. Straley, Univ of Wyoming L. Mecham, Univ of Wyoming
Pg. 251, Section 7.6.1, line 2	Insert "milli" before seconds	S. Mawhorter, Univ of Wyoming
Pg 262, 2nd program answer,	Change comment from "input" to "output"	Peter Francik, U.S. Air Force Academy, CO

IOCHMASK line		
Pg 265, Fig. 7.27	The TCTL3 diagram was inserted instead of TCTL4. - Change "3" to "4" and "TCTL3" to "TCTL4" - Change "$008A" to "$008B" - Change register bit values to EDG3B EDG3A …EDG0B EDG0A	Derek Thurmes, Univ Of Minnesota
Pg 273, second to last line	Change "TSCR_IN" to "TSCR"	S. Koskie, Indiana University – Purdue University Indianapolis (IUPUI), IN
Pg 274, Subroutine example	Change second WTFLG to WTFLG1	S. Barrett, Univ of Wyoming
Pg 275	Move the DONE label up to the second BSR command	S. Barrett, Univ of Wyoming
Pg 314, Fig 8.12	In the expression for the write enable signal a "!" is missing before "R"	F. Bowen, Indiana University – Purdue University Indianapolis (IUPUI), IN
Pg 331, definition for I_{IL}	Change "output" to "input"	B. Mullins, U.S. Air Force Academy, CO
Pg 371, line 3	Move "," from before "modes" to after "modes"	C. Straley, Univ of Wyoming
Pg 376, Second "Answer:"	The CD bit should be set to "0" resulting in an ATDCTL5 value of 0111_0000 or $70	Fan Yang University of Mississippi
Pg 391, problem 4, 11	Change second V_{RH} to V_{RL}	C. Straley, Univ of Wyoming
Pg 396, Figure 10.4	Intersection of row 1 and column 2 should be "!" Answer 1: Change "$21" to "$31" Answer 2: Change "$A1" to "$31"	S. Barrett, Univ of Wyoming B. Mullins, U.S. Air Force Academy, CO B. Mullins, U.S. Air Force Academy, CO
Pg 397, Answer 2.	Clarification. Add (75 ms including frame bits)	K. Meah, Univ of Wyoming
Pg 400, line 2	Change "two stop bits" to "a stop bit"	K. Meah, Univ of Wyoming
Pg 412, TPA command	Remove #$80 after TPA command	C. Straley, Univ of Wyoming
Pg 424, Figure 10.27	Incorrect diagram for SPI Status Register – see diagram below	B. Mullins, U.S. Air Force Academy, CO
Pg 436, Advanced 2	Line 2, remove word "with", put quotes around 68HC12	R. Heil, Univ of Wyoming
Pg. 473	Change binary representation of –114 to "1000_1110"	T. Anderson, Univ of Wyoming

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Pg 18, H flag discussion, line 2	Add "(a)" after Figure 2.2	S. Robinson, Colorado State University
Pg 22, line 3	No Figure number provided, change "??" to "2.3"	E. Nix, University of Alabama, Tuscaloosa, Al
Pg 23, line 1	Remove duplicate line of text	E. Nix, University of Alabama, Tuscaloosa, Al
Pg 27, line 6 from bottom of page	No Figure number provided, change "??" to "2.4"	E. Nix, University of Alabama, Tuscaloosa, Al
Pg 33, Practice Questions	Change "$43" to "$41"	T. Kubler, U.S. Air Force Academy, CO
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Register SPI Status Register (SPOSR)   Address $00D3

7	6	5	4	3	2	1	0
SPIF	WCOL	0	MODF	0	0	0	0

Reset 0   0   0   0   0   0   0   0