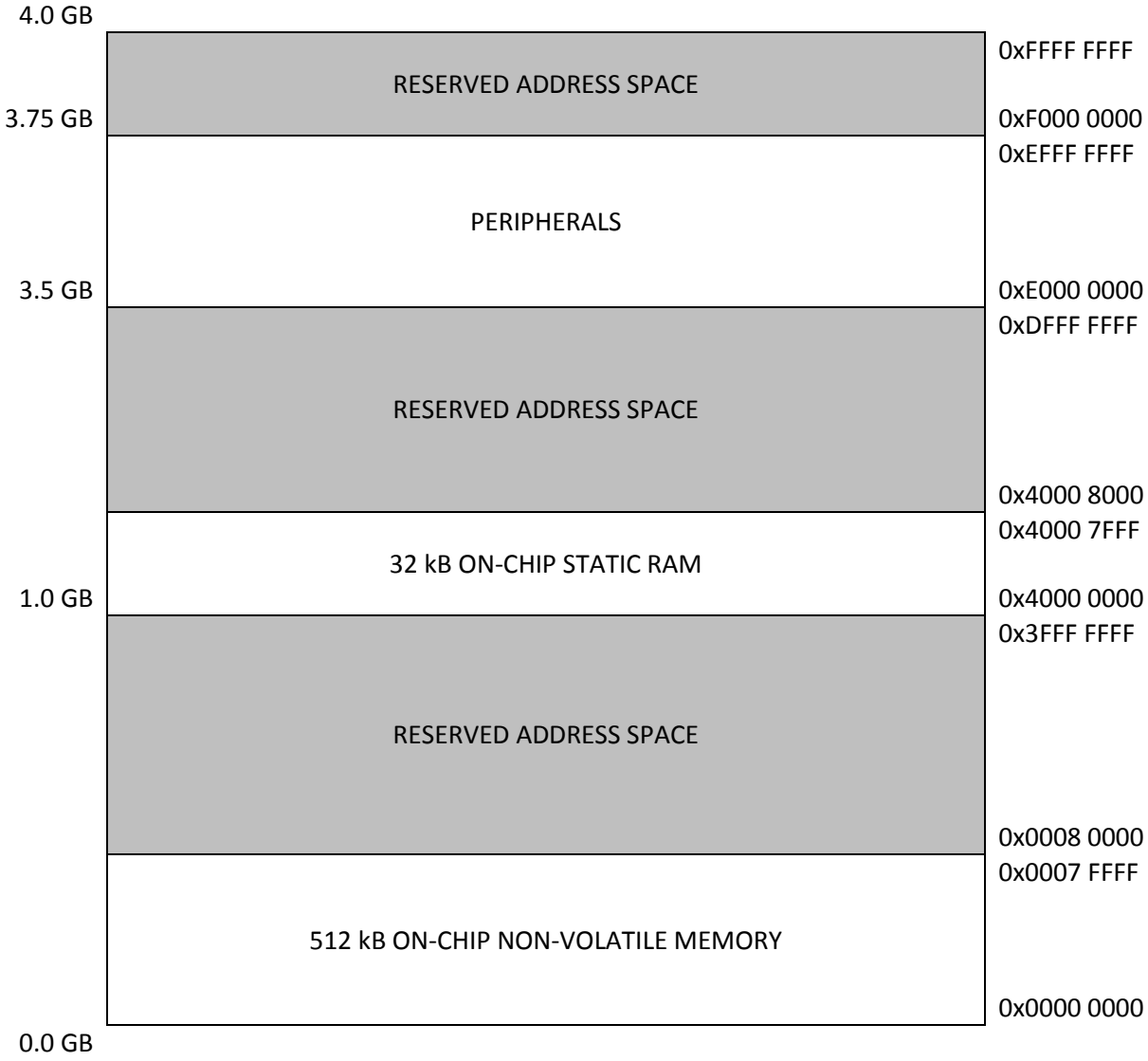
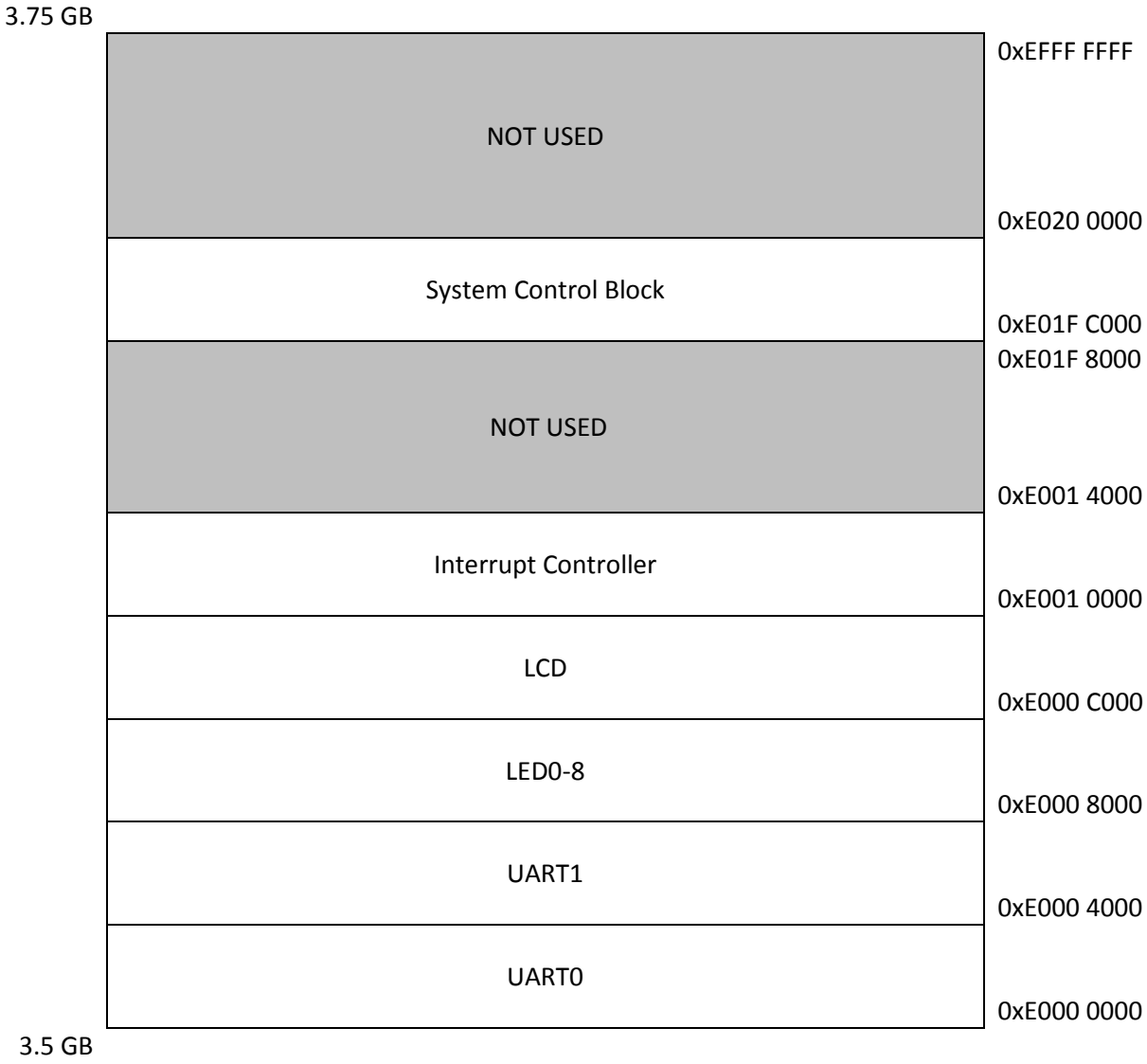
1.1 Memory Map of Development Board



1.2 Detail View of Peripheral Memory Map



1.3 Memory-Mapped Hardware Registers

1.3.1 UART0

The UARTs are 64-byte versions of the *standard* National Semiconductor UARTs. The model is 16750. For an in-depth explanation of the various registers and how to configure them, check out this article.

U0RBR	*UART0 Receiver Buffer*	0xE000 0000
U0THR	*UART0 Transmitter Holding Buffer*	0xE000 0000
U0DLL	*UART0 Devisor Latch Low Byte*	0xE000 0000
U0DLH	*UART0 Devisor Latch High Byte*	0xE000 0004
U0IER	*UART0 Interrupt Enable Register*	0xE000 0004
U0IIR	*UART0 Interrupt Identification Register*	0xE000 0008
U0FCR	*UART0 FIFO Control Register*	0xE000 0008
U0LCR	*UART0 Line Control Register*	0xE000 000C
U0LSR	*UART0 Line Status Register*	0xE000 0014
U0SCR	*UART0 Scratch Register*	0xE000 001C

1.3.2 UART1

The UARTs are 64-byte versions of the *standard* National Semiconductor UARTs. The model is 16750. For an in-depth explanation of the various registers and how to configure them, check out this article.

U1RBR	*UART1 Receiver Buffer*	0xE000 4000
U1THR	*UART1 Transmitter Holding Buffer*	0xE000 4000
U1DLL	*UART1 Devisor Latch Low Byte*	0xE000 4000
U1DLH	*UART1 Devisor Latch High Byte*	0xE000 4004
U1IER	*UART1 Interrupt Enable Register*	0xE000 4004
U1IIR	*UART1 Interrupt Identification Register*	0xE000 4008
U1FCR	*UART1 FIFO Control Register*	0xE000 4008
U1LCR	*UART1 Line Control Register*	0xE000 400C
U1LSR	*UART1 Line Status Register*	0xE000 4014
U1SCR	*UART1 Scratch Register*	0xE000 401C