PORT1

pin	P	N	name	SEL	OUT	DIR	description
1.0	1	0	USB_GPX	0	0	0	general interrupt from USB IC
1.1	1	1	USB_INT	0	0	0	USB protocol interrupt
1.2	1	2		0	0	0	
1.3	1	3		0	0	0	
1.4	1	4	B4_EN	0	0	1	activate button #4, active high
1.5	1	5	B3_EN	0	0	1	activate button #3, active high
1.6	1	6	B2_EN	0	0	1	activate button #2, active high
1.7	1	7	B1_EN	0	0	1	activate button #1, active high

init   **0x0   0x0   0xF0**

PORT2

pin	P	N	name	SEL	OUT	DIR	description
2.0	2	0		0	0	0	
2.1	2	1		0	0	0	
2.2	2	2		0	0	0	
2.3	2	3		0	0	0	
2.4	2	4		0	0	0	
2.5	2	5		0	0	0	
2.6	2	6		0	0	0	
2.7	2	7		0	0	0	

init **0x0 0x0 0x0**

pin	P	N	name	SEL	OUT	DIR	description
3.0	3	0		0	0	0	
3.1	3	1		0	0	0	
3.2	3	2		0	0	0	
3.3	3	3		0	0	0	
3.4	3	4		0	0	0	

init   **0x0   0x0   0x0**

PORT4

pin	P	N	name	SEL	OUT	DIR	description
4.0	4	0	CS_USB	0	1	1	chip select, USB IC, active low
4.1	4	1	MOSI	1	0	0	SPI
4.2	4	2	MISO	1	0	0	SPI
4.3	4	3	SCLK	1	0	0	SPI
4.4	4	4	TX	1	0	0	UART, debug port
4.5	4	5	RX	1	0	0	UART, debug port
4.6	4	6	CS_J2	0	1	1	chip select, joystick #2, active low
4.7	4	7	CS_J1	0	1	1	chip select, joystick #1, active low

init **0x3E 0xC1 0xC1**

pin	P	N	name	SEL	OUT	DIR	description
5.0	5	0		0	0	0	
5.1	5	1		0	0	0	
5.2	5	2	HF XO	1	0	0	crystal mode
5.3	5	3	HF XI	1	0	0	crystal mode
5.4	5	4		0	0	0	
5.5	5	5		0	0	0	

init **0xC 0x0 0x0**

pin	P	N	name	SEL	OUT	DIR	description
6.0	6	0		0	0	0	
6.1	6	1	USB_RST	0	0	1	reset the USB IC, active low
6.2	6	2		0	0	0	
6.3	6	3		0	0	0	
6.4	6	4		0	0	0	
6.5	6	5		0	0	0	
6.6	6	6		0	0	0	
6.7	6	7		0	0	0	

init   **0x0   0x0   0x2**