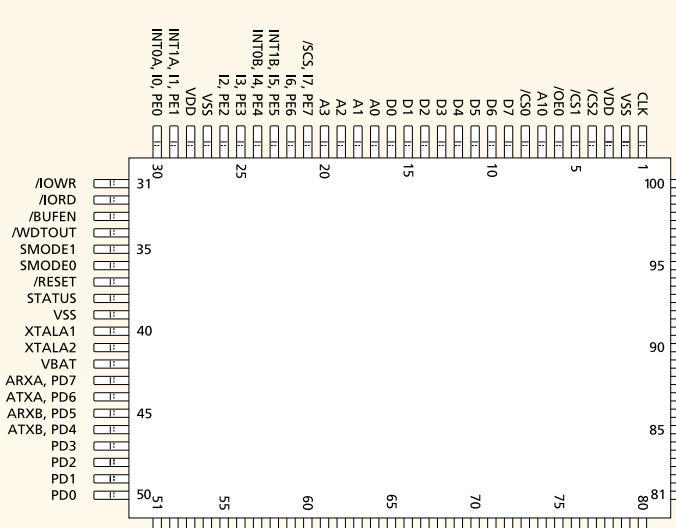


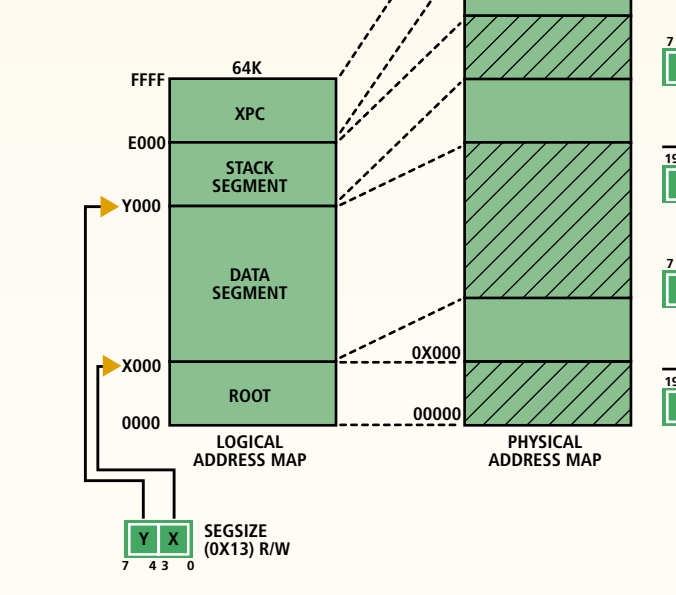
# RABBIT 2000™ EASY REFERENCE

## Pin Chart

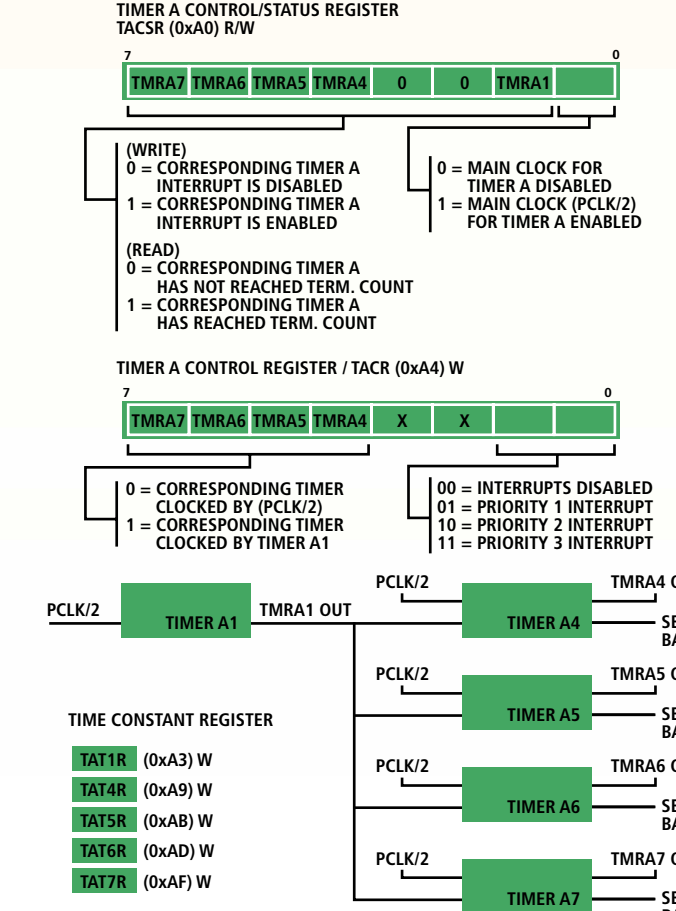
PIN	NAME	ALT FUNCTION
1	CLK	
2	VSS	
3	VDD	
4	/CS1	
5	/CS2	
6	/OE0	
7	A10	
8	/CS0	
9	/RESET	
10	D6	
11	D5	
12	D4	
13	D3	
14	D2	
15	D1	
16	D0	
17	A0	
18	A1	
19	A2	
20	A3	
21	PE7	17 /SCS
22	PE6	
23	PE5	15 INT1B
24	PE4	14 INT0B
25	PE3	13
26	PE2	12
27	VSS	
28	VDD	
29	PE1	11 INT1A
30	PE0	10 INT0A
31	/IOWR	
32	/IORD	
33	/BUSEN	
34	/WDOUT	
35	SMODE0	
36	SMODE1	
37	/RESET	
38	STATUS	
39	VSS	
40	XTAL1	
41	XTAL2	
42	VBAT	
43	PD7	ARXA
44	PD6	ATXA
45	PD5	ARXB
46	PD4	ATXB
47	PD3	
48	PD2	
49	PD1	
50	PD0	
51	PC7	RXA
52	VSS	
53	VDD	
54	PC5	TXA
55	PC6	TXB
56	PC4	TXB
57	PC3	TXC
58	PC2	TXC
59	PC1	TXD
60	PC0	TXD
61	A4	
62	A5	
63	A6	
64	A7	
65	A12	
66	A15	
67	A16	
68	A18	
69	/WE0	
70	A17	
71	A14	
72	A13	
73	A8	
74	A9	
75	A11	
76	/OE1	
77	VSS	
78	VDD	
79	A19	
80	/WE1	
81	PA0	SD0
82	PA1	SD1
83	PA2	SD2
84	PA3	SD3
85	PA4	SD4
86	PA5	SD5
87	PA6	SD6
88	PA7	SD7
89	VSS	
90	XTALB1	
91	XTALB2	
92	VDD	
93	PB0	CLKB
94	PB1	CLKA
95	PB2	/SWR
96	PB3	/SRD
97	PB4	SA0
98	PB5	SA1
99	PB6	
100	PB7	/SLAVEATTN



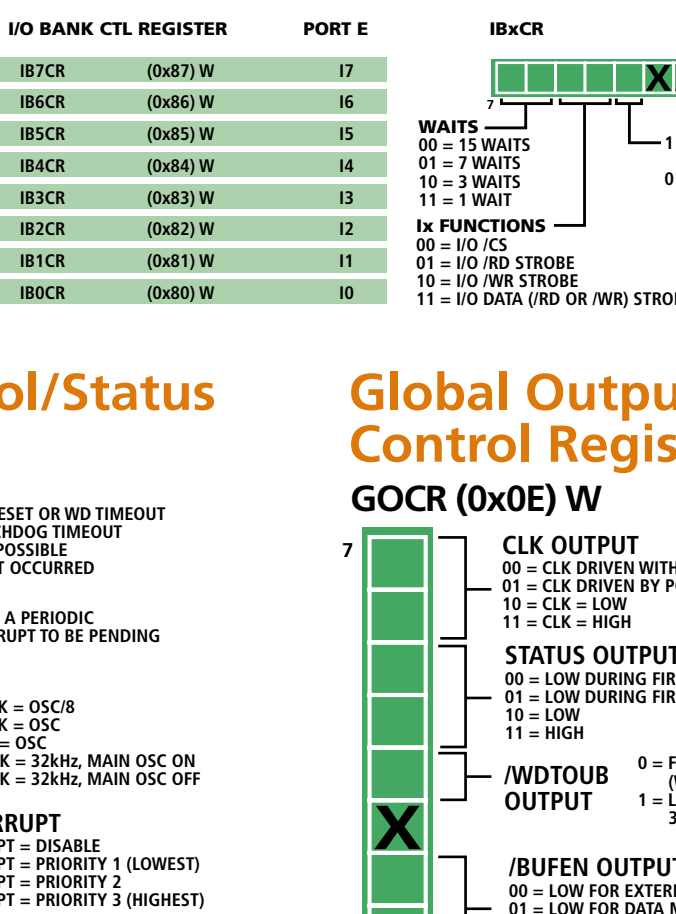
## Memory Management Unit



## Timer A



## Timer B



## Processor Mode Select

SMODE1	SMODE0	BOOTSTRAP OPERATION
0	0	BOOTSTRAP DISABLED NORMAL PROCESSOR OPERATION (CODE FETCHED FROM MEMORY)
0	1	SLAVE PORT SPDR USED FOR BOOTSTRAP OPERATION
1	0	SYNCHRONOUS SERIAL CLOCKED SERIAL PORT A ON PARALLEL PORT C USED FOR BOOTSTRAP OPER. MAX EXTERNAL CLOCK RATE = PCLK/8
1	1	ASYNCHRONOUS SERIAL-ASYNC SERIAL PORT A ON PARALLEL PORT C USED FOR BOOTSTRAP OPER. REQUIRED BAUD RATE = 2400

## External I/O

I/O ADDRESS	I/O BANK	CTL REGISTER	PORT E
1 1 1	IB7CR	(0x87) W	17
1 1 0	IB6CR	(0x86) W	16
1 0 1	IB5CR	(0x85) W	15
1 0 0	IB4CR	(0x84) W	14
0 1 1	IB3CR	(0x83) W	13
0 1 0	IB2CR	(0x82) W	12
0 0 1	IB1CR	(0x81) W	11
0 0 0	IB0CR	(0x80) W	10

## Global Control/Status



## Global Output Control Register



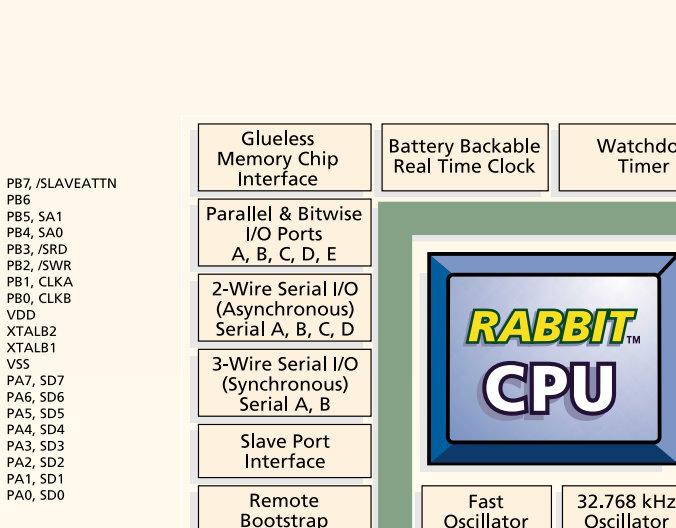
## Global Clock Double Register



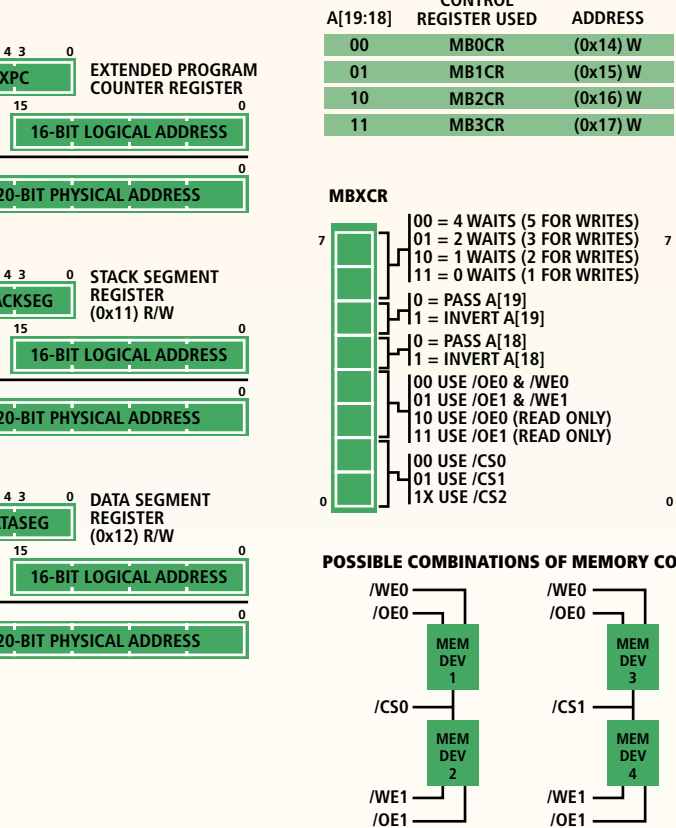
## Real Time Clock Control Register



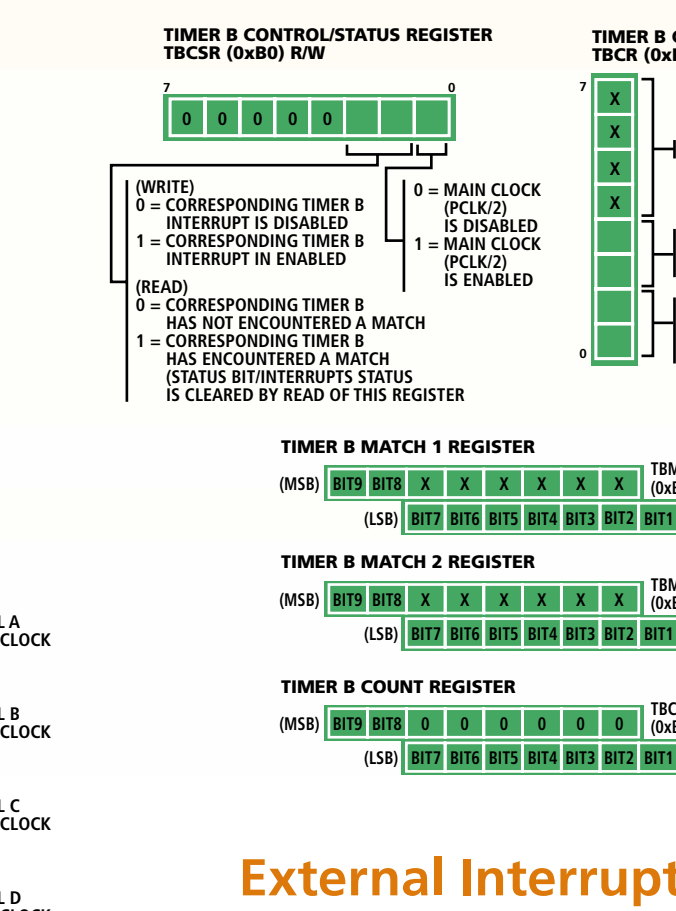
## Watchdog Timer



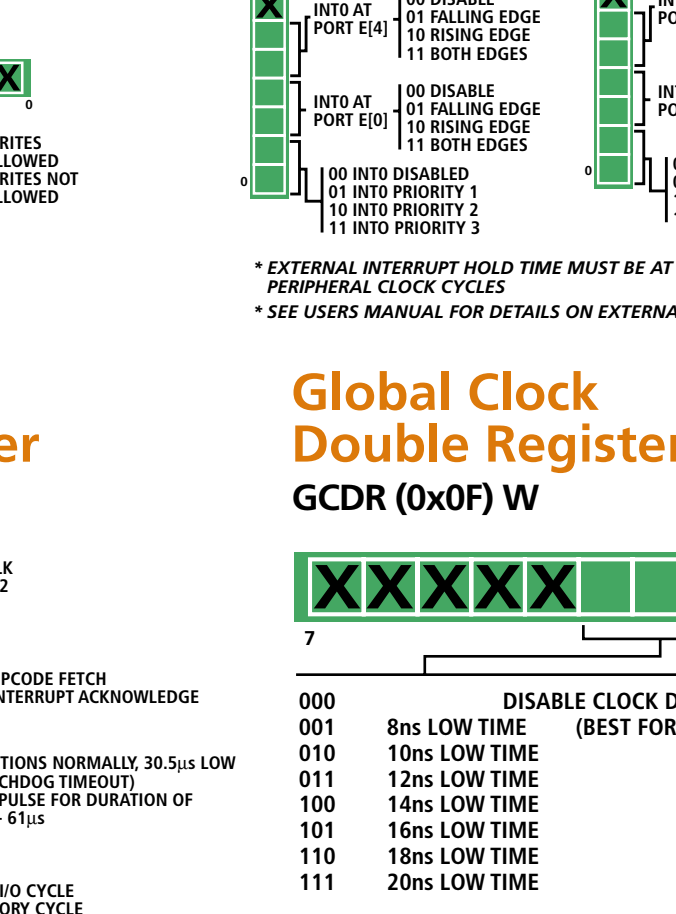
## Parallel Ports



## Serial Ports



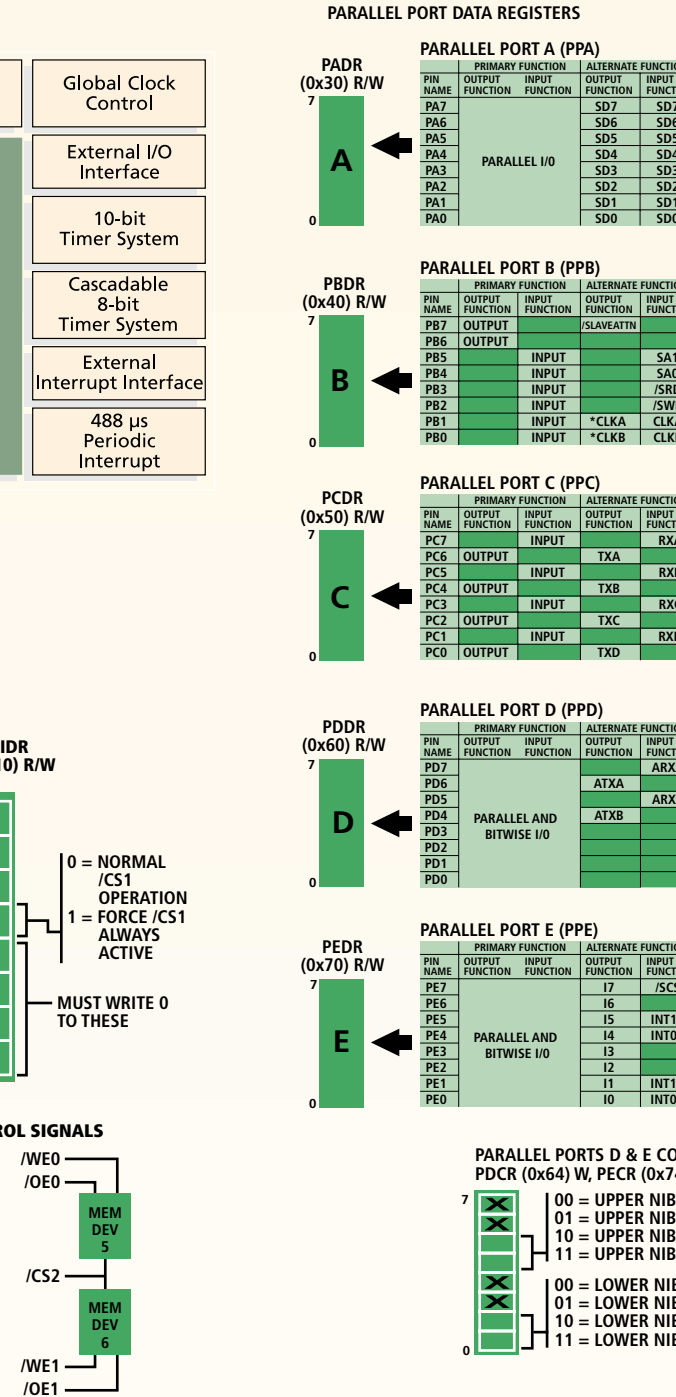
## Slave Port



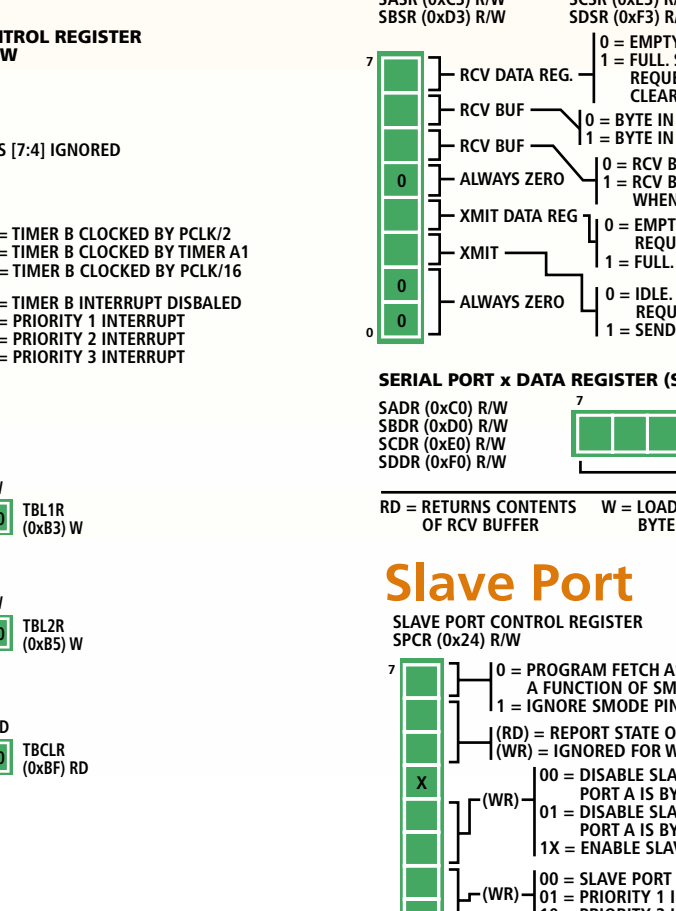
## External Interrupt



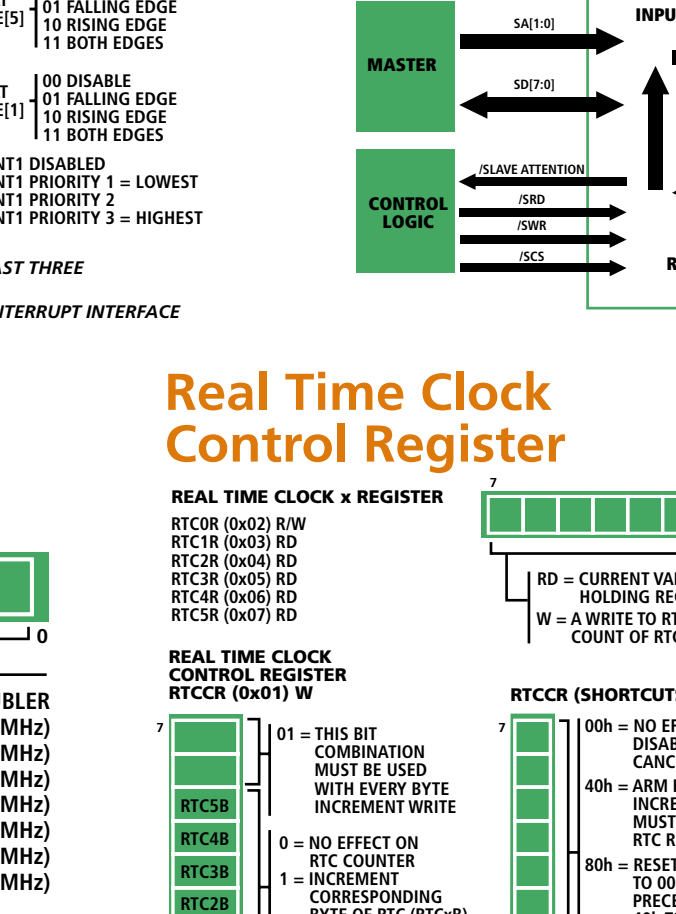
## Parallel Ports



## Serial Ports



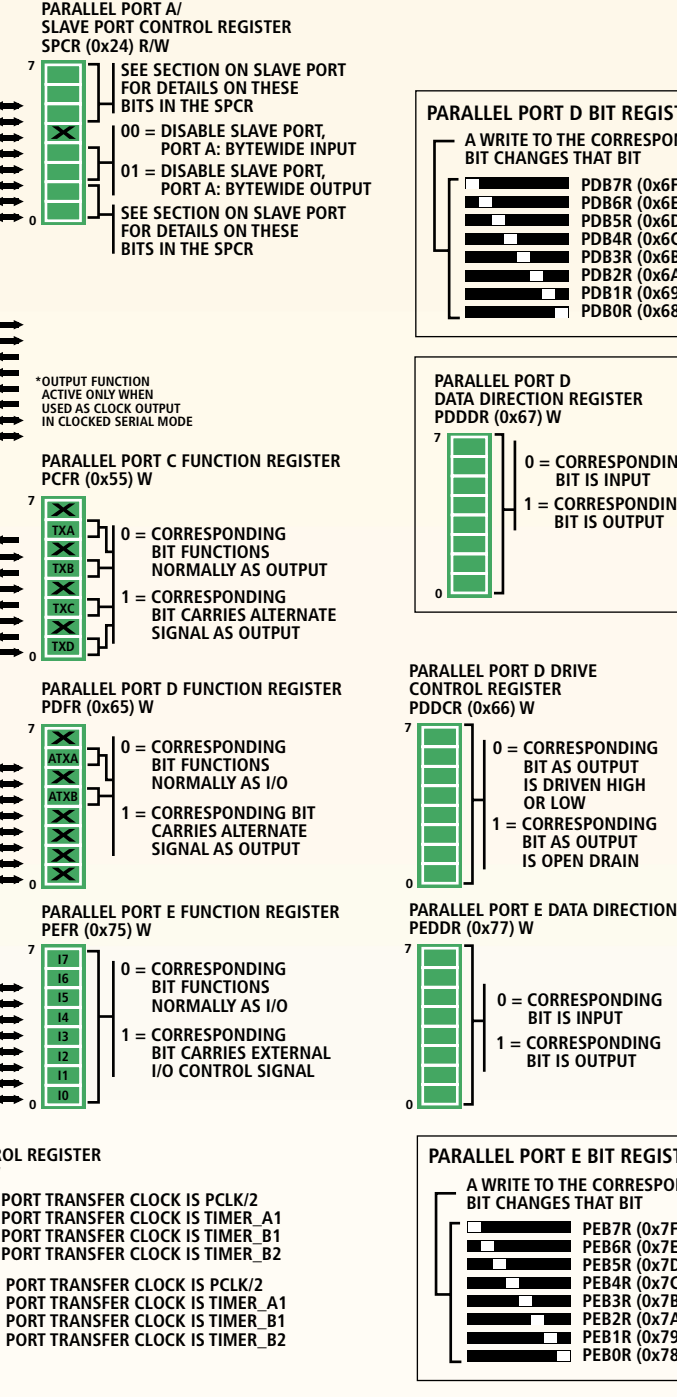
## Slave Port



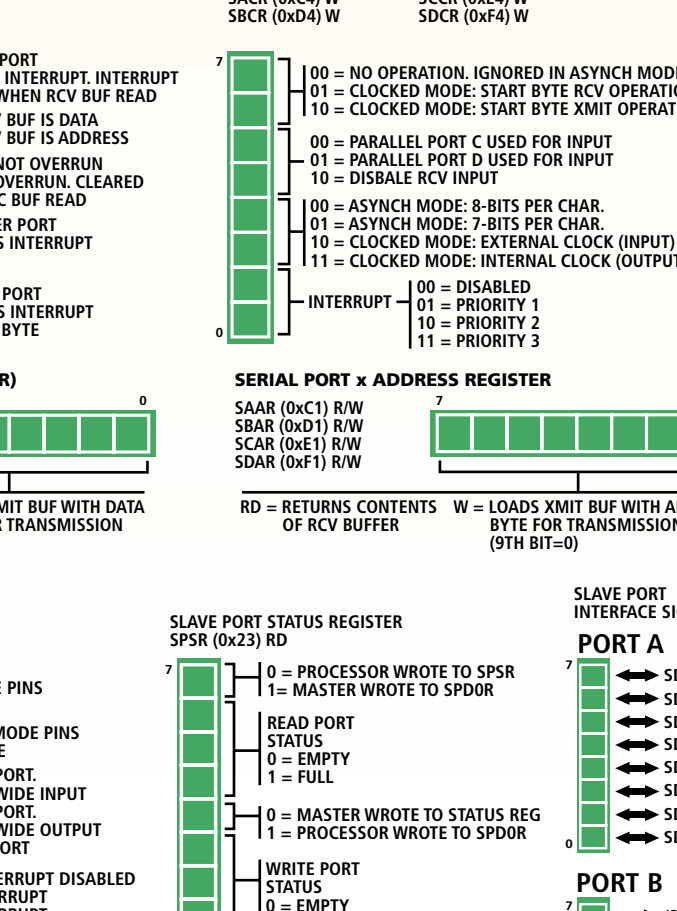
## External Interrupt



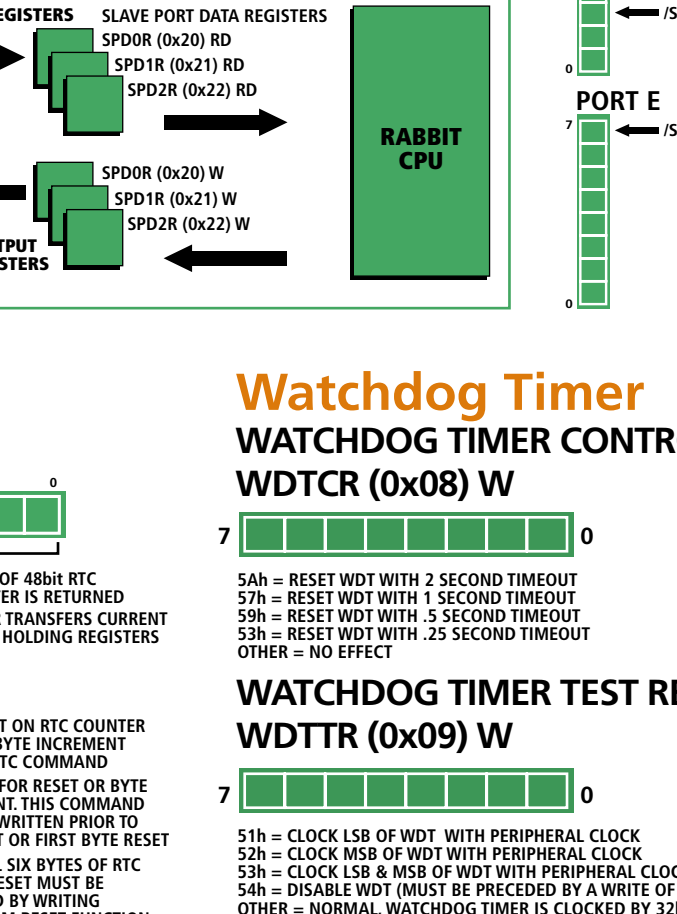
## Parallel Ports



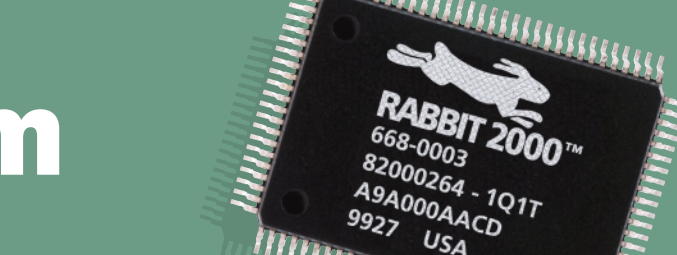
## Serial Ports



## Slave Port



## External Interrupt



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