YM3812

DATA BITS:

D7	D6	D5	D4	D3	D2	D1	D0	Base Address
Tremolo	Vibrato	EnvType	EnvScale	Frequency Multiplier				20
Level Scaling		Total Level						40
Attack Rate				Decay Rate				60
Sustain Level				Release Rate				80
x	x	x	x	x	x	Waveform		E0
Frequency Number (L)								A0
x	x	Key On	Frequency Block			FNum (H)		B0
x	x	x	x	Feedback			Algorithm	C0
x	x	x	Test					01
Timer 1								02
Timer 2								03
IRQ RST	Mask T1	Mask T2	x	x	x	ST2	ST1	04
CSM	SEL	x	x	x	x	x	x	08
Deep Trem	Deep Vib	Rhythm	BD	SD	Tom	TC	HH	BD

REGISTER LOCATIONS:

	Channel 1		Channel 2		Channel 3		Channel 4		Channel 5		Channel 6		Channel 7		Channel 8		Channel 9	
Slot:	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
	M1	C1	M2	C2	M3	C3	M4	C4	M5	C5	M6	C6	M7	C7	M8	C8	M9	C9
Op:	1	4	2	5	3	6	7	10	8	11	9	12	13	16	14	17	15	18
	+0	+3	+1	+4	+2	+5	+8	+B	+9	+C	+A	+D	+10	+13	+11	+14	+12	+15

Drum Channels (if enabled): x x x

Operator Register Locations (HEX):

Base Address																		
20	20	23	21	24	22	25	28	2B	29	2C	2A	2D	30	33	31	34	32	35
40	40	43	41	44	42	45	48	4B	49	4C	4A	4D	50	53	51	54	52	55
60	60	63	61	64	62	65	68	6B	69	6C	6A	6D	70	73	71	74	72	75
80	80	83	81	84	82	85	88	8B	89	8C	8A	8D	90	93	91	94	92	95
E0	E0	E3	E1	E4	E2	E5	E8	EB	E9	EC	EA	ED	F0	F3	F1	F4	F2	F5

Channel Register Locations (HEX):

A0	A0	A1	A2	A3	A4	A5	A6	A7	A8
B0	B0	B1	B2	B3	B4	B5	B6	B7	B8
C0	C0	C1	C2	C3	C4	C5	C6	C7	C8

Global Register Locations (HEX):

01	01
02	02
03	03
04	04
08	08
BD	BD