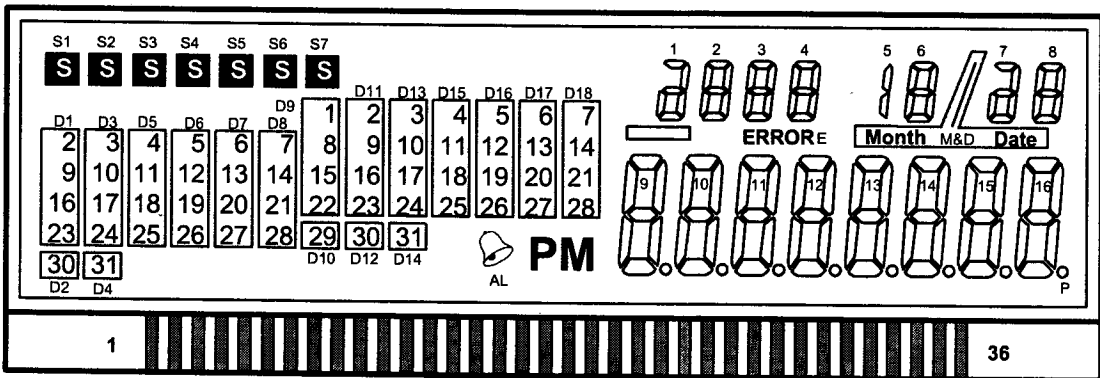
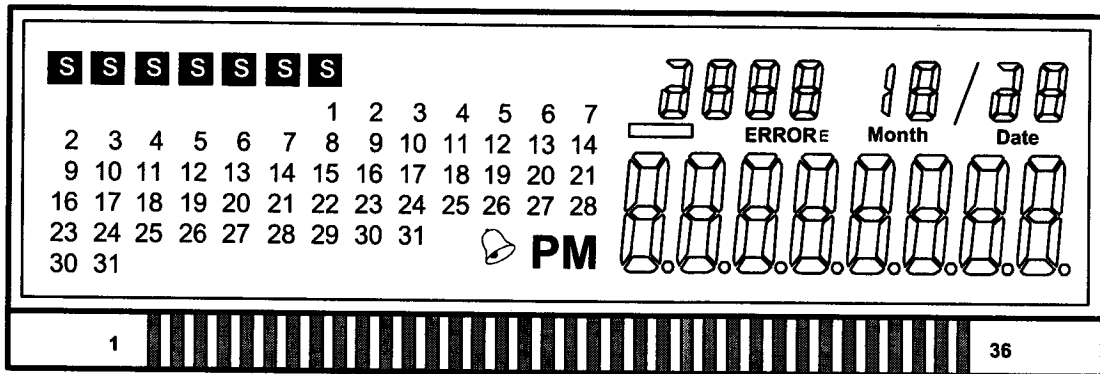


LCD MC739 Layout Diagram 1



IC Pin	LCD Pin	COM0	COM1	COM2	COM3	IC Pin	LCD Pin	COM0	COM1	COM2	COM3
SEG34	1	8C	8G	8E	1B, M&D, 2ABCD F	SEG16	19	10D	10E	10G	10F
SEG33	2	8B	8F	7C	8D	SEG15	20	10P	10C	10B	10A
SEG32	3	8A	7B	7AGD	7E	SEG14	21	11D	11E	11G	11F
SEG31	4	6A	6B	6C	6D	SEG13	22	11P	11C	11B	11A
SEG30	5	5BC	6F	6G	6E	SEG12	23	12D	12E	12G	12F
SEG29	6	4B	4C	4D	E	SEG11	24	12P	12C	12B	12A
SEG28	7	4A	4G	4E	-	SEG10	25	13D	13E	13G	13F
SEG27	8	4F	3B	3C	3D	SEG9	26	13P	13C	13B	13A
SEG26	9	3A	3F	3G	3E	SEG8	27	14D	14E	14G	14F
SEG25	10	D1, S1	S2	S3	S4	SEG7	28	14P	14C	14B	14A
SEG24	11	D2	D4	D3	D5	SEG6	29	15D	15E	15G	15F
SEG23	12	D8	D7	D6	S5	SEG5	30	15P	15C	15B	15A
SEG22	13	D14	D10	D9	S6	SEG4	31	16D	16E	16G	16F
SEG21	14	D13	D12	D11	S7, D18	SEG3	32	16P	16C	16B	16A
SEG20	15	AL	D15	D16	D17	COM1	33	COM0			
SEG19	16	P	M	1C, 2G	1A DEG, 2E	COM2	34		COM1		
SEG18	17	9D	9E	9G	9F	COM3	35			COM2	
SEG17	18	9P	9C	9B	9A	COM4	36				COM3

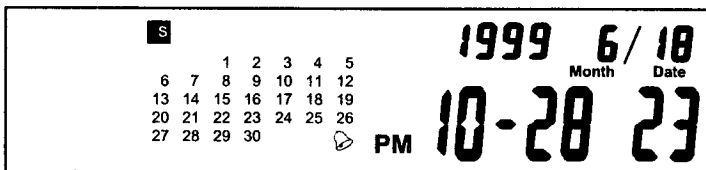
LCD Voltage = 3 Volt

LCD Duty = 1/4

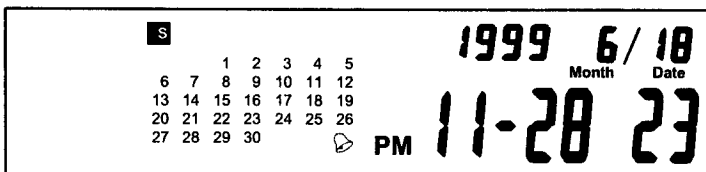
LCD Bias = 1/3

Display Mode (Use MC739 as example)

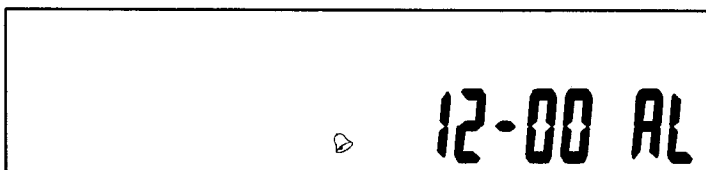
Time / Normal Mode



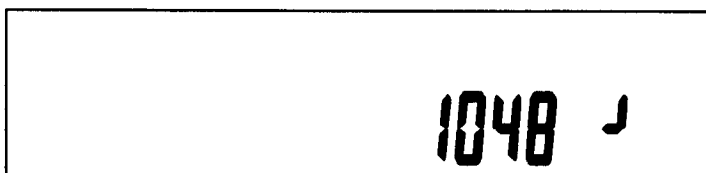
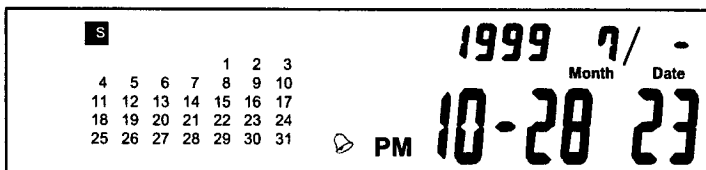
World Time Mode



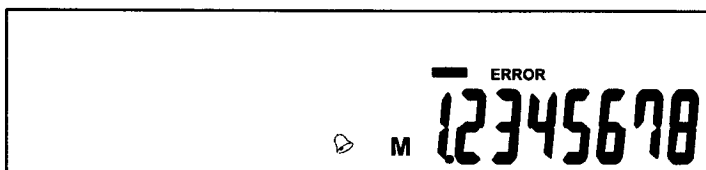
Alarm Mode



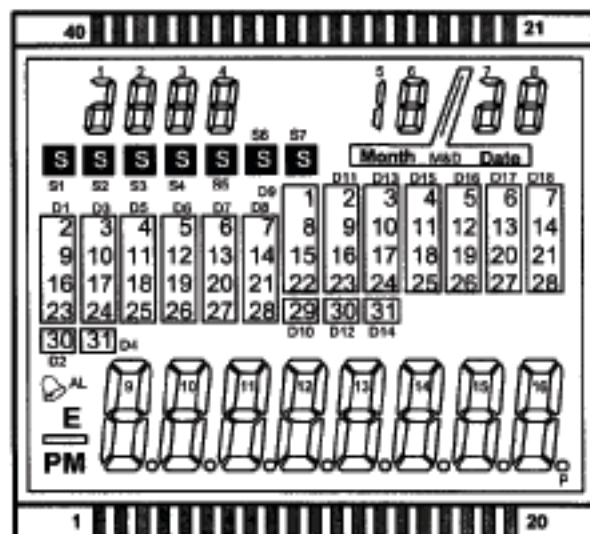
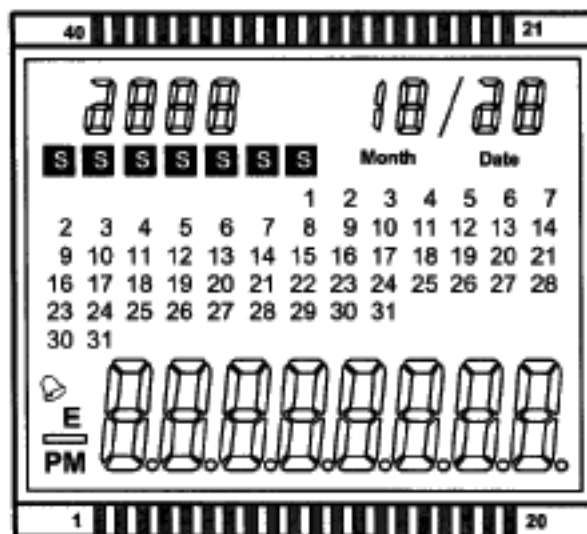
Month Search Mode



Calculator Mode

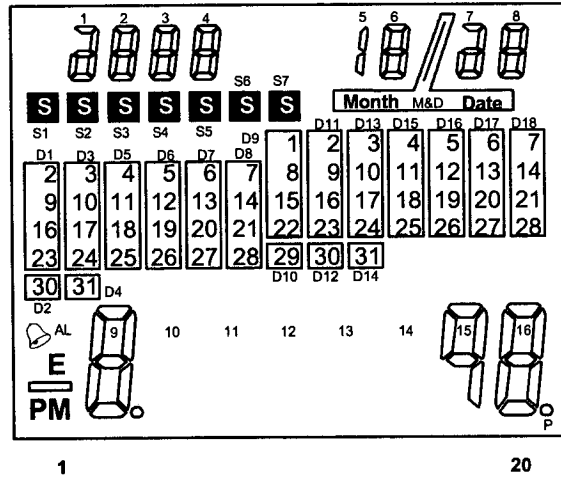


LCD MC739 Layout Diagram 2



IC Pin	LCD Pin	COM0	COM1	COM2	COM3	IC Pin	LCD Pin	COM0	COM1	COM2	COM3
SEG34	1	8C	8G	8E	1B, M&D, 2ABCF	SEG16	19	10D	10E	10G	10F
SEG33	2	8B	8F	7C	8D	SEG15	20	10P	10C	10B	10A
SEG32	3	8A	7B	7AGD	7E	SEG14	21	11D	11E	11G	11F
SEG31	4	6A	6B	6C	6D	SEG13	22	11P	11C	11B	11A
SEG30	5	5BC	6F	6G	6E	SEG12	23	12D	12E	12G	12F
SEG29	6	4B	4C	4D	E						

LCD MC738 Layout Diagram



IC Pin	LCD Pin	COM3	COM2	COM1	COM0	IC Pin	LCD Pin	COM3	COM2	COM1	COM0
COM2	1			COM1		SEG34	21	D18	8C	8B	8A
COM1	2				COM0	SEG33	22	8D	8E	8G	8F
SEG20	3	D1	D2	E	AL	SEG32	23	D12	D17	7C	7B
SEG19	4	D3	D4	-	PM	SEG31	24	D16	M&D	7E	7ADG
SEG18	5	9F	9G	9E	9D	SEG30	25	D14	D15	6C	6B
SEG17	6	9A	9B	9C	9P	SEG29	26	D13	6D	6G	6A
SEG16	7	10F	10G	10E	10D	SEG28	27	D11	5BC	6E	6F
SEG15	8	10A	10B	10C	10P	SEG31	28		D9		
SEG14	9	11F	11G	11E	11D	SEG27	29	D8	S7	4C	4B
SEG13	10	11A	11B	11C	11P	SEG26	30	S6	4D	4G	4A
SEG12	11	12F	12G	12E	12D	SEG25	31	D7	S5	4E	4F
SEG11	12	12A	12B	12C	12P	SEG24	32	D10	D6	3C	3B
SEG10	13	13F	13G	13E	13D	SEG23	33	S4	3D	3G	3A
SEG9	14	13A	13B	13C	13P	SEG22	34	D5	S3	3E	3F
SEG8	15	14F	14G	14E	14D	SEG31	35		1B,		
									2ABCD		
SEG7	16	14A	14B	14C	14P	SEG21	36	S1	S2	1C, 2G	ADEG, 2E
SEG6	17	15F	15G	15E	15D	COM2	37			COM1	
SEG5	18	15A	15B	15C	15P	COM1	38				COM0
SEG4	19	16F	16G	16E	16D	COM4	39	COM3			
SEG3	20	16A	16B	16C	16P	COM3	40		COM2		

LCD Voltage = 3 Volt

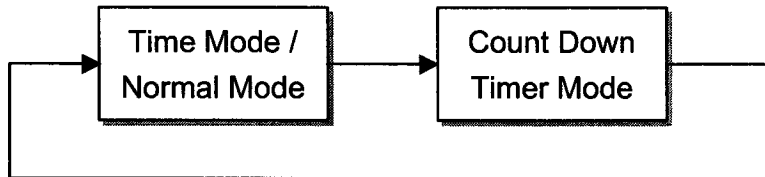
LCD Duty = 1/4

LCD Bias = 1/3

Operation Description

Time Mode / Count Down Timer Mode

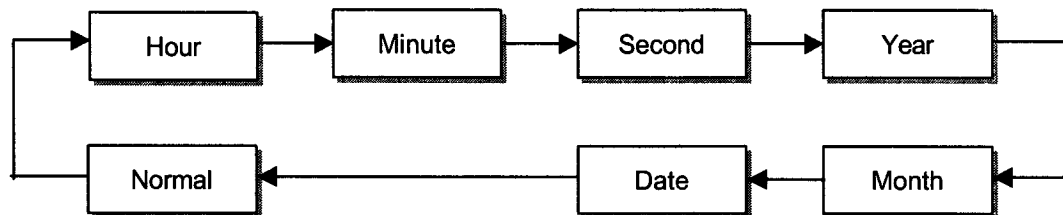
Press **MODE** key to toggle time mode or count down timer mode.



Setting of Real Time Clock

At normal mode press **SET** key to set the real time clock and date, month, year.

The setting sequence as follows:



The setting object will be flash, then press **UP** or **DOWN** key to adjust. Adjust of second will to zero.

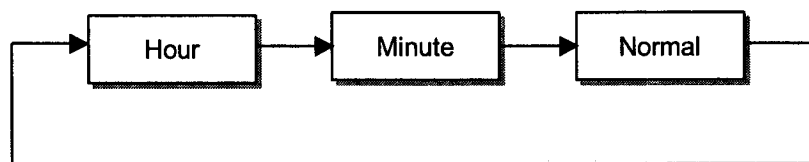
Setting of alarm

Press **ALM** key go to alarm mode.

Press **ALM** key again to toggle alarm ON/OFF, indicate by the  icon.

Press **SET** key to set alarm time.

The setting sequence as follows:



That setting similar to real time clock setting.

Press number keys **1** , **2** or **3** choose any one Bi Bi tone to be alarm sound.

Or press number keys **4** , **5** , **6** , **7** or **8** choose any one melody to be alarm sound.

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