

# DL9081

## 10位6功能七彩电子表IC

### Feature

- ◆3V Lithium Battery Operation
- ◆Clock with Month, Date, Hour, Minute, Second, Weekday
- ◆Alarm & Hourly chime
- ◆Sport Timer(1/100Sec)
- ◆12H/24H cycle Selectable
- ◆Very Low Power Dissipation
- ◆32768 Hz crystal controlled operation
- ◆Debounce circuit on switch input
- ◆Protection against static discharge

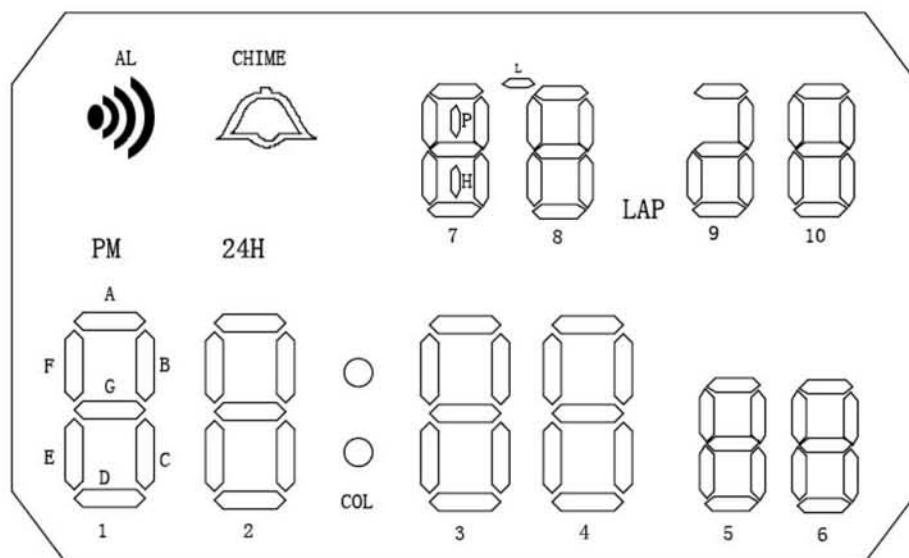
### 特点

- ◆3V 锂电池供电
- ◆可显示月、日、时、分、秒、星期
- ◆响闹、整点响闹功能
- ◆秒表计时
- ◆可选 12/24 小时制
- ◆低功耗
- ◆32768 Hz 晶振
- ◆开关输入防弹跳
- ◆带静电保护

### ELECTRICAL CHARACTERISTICS 电特性

Characteristics		Sym	Min	Typ	Max	Unit	Remarks
Operating Voltage	工作电压	VDD	2.3	3.0	3.6	V	-
Quiescent Current	静态电流	ISB	-	1	2	uA	No Load
Operating Current	工作电流	IOP	-	-	6	uA	-
Input High Voltage	输入高电压	VIH	VDD-0.3	-	VDD	V	-
Input Low Voltage	输入低电压	VIL	VSS	-	VSS+0.3	V	-
Switch Activation Current	按键开关电流	ISW	-	-	3	uA	VIN=VDD
Alarm Drive Current	闹钟驱动电流	IALA	0.5	2	-	mA	-
Oscillation Frequency	振荡频率	FOSC	-	32768	-	Hz	-
LCD Frequency	LCD 频率	FLCD	-	43	-	Hz	-
Time Stability	时间稳定度	TSTB	-	1	3	ppm	2.5~3.5V

### LCD 字形显示



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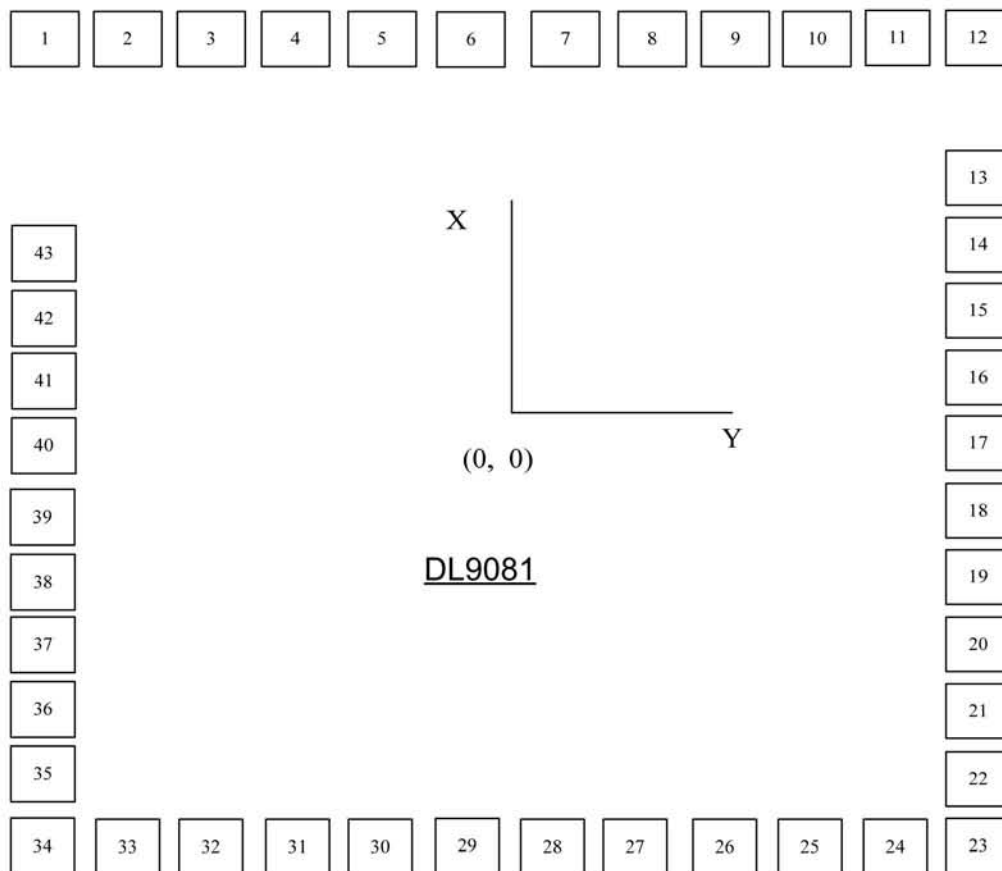
### LCD 字段分配

	COM1	COM2	COM3
SEG1	--	6C	6B
SEG2	6D	6G	6A
SEG3	5C	6E	6F
SEG4	5D	5G	5B
SEG5	5E	5F	5A
SEG6	10C	10B	10A
SEG7	10D	10G	10F
SEG8	10E	9C	9B
SEG9	4C	9E	9ADG
SEG10	4D	4G	4B
SEG11	4E	4F	4A
SEG12	3D	3C	LAP
SEG13	3E	3G	3B

	COM1	COM2	COM3
SEG14	COL	3F	3A
SEG15	8D	8BC	8A
SEG16	8G	8EF	L
SEG17	7C	7B	7A
SEG18	7G	7HP	7F
SEG19	7D	7E	--
SEG20	24H	CHIME	ALM
SEG21	2B	2A	PM
SEG22	2C	2G	2F
SEG23	2D	2E	1B
SEG24	1C	1G	1A
SEG25	1D	1E	1F

### PAD DIAGRAM

### 脚位图



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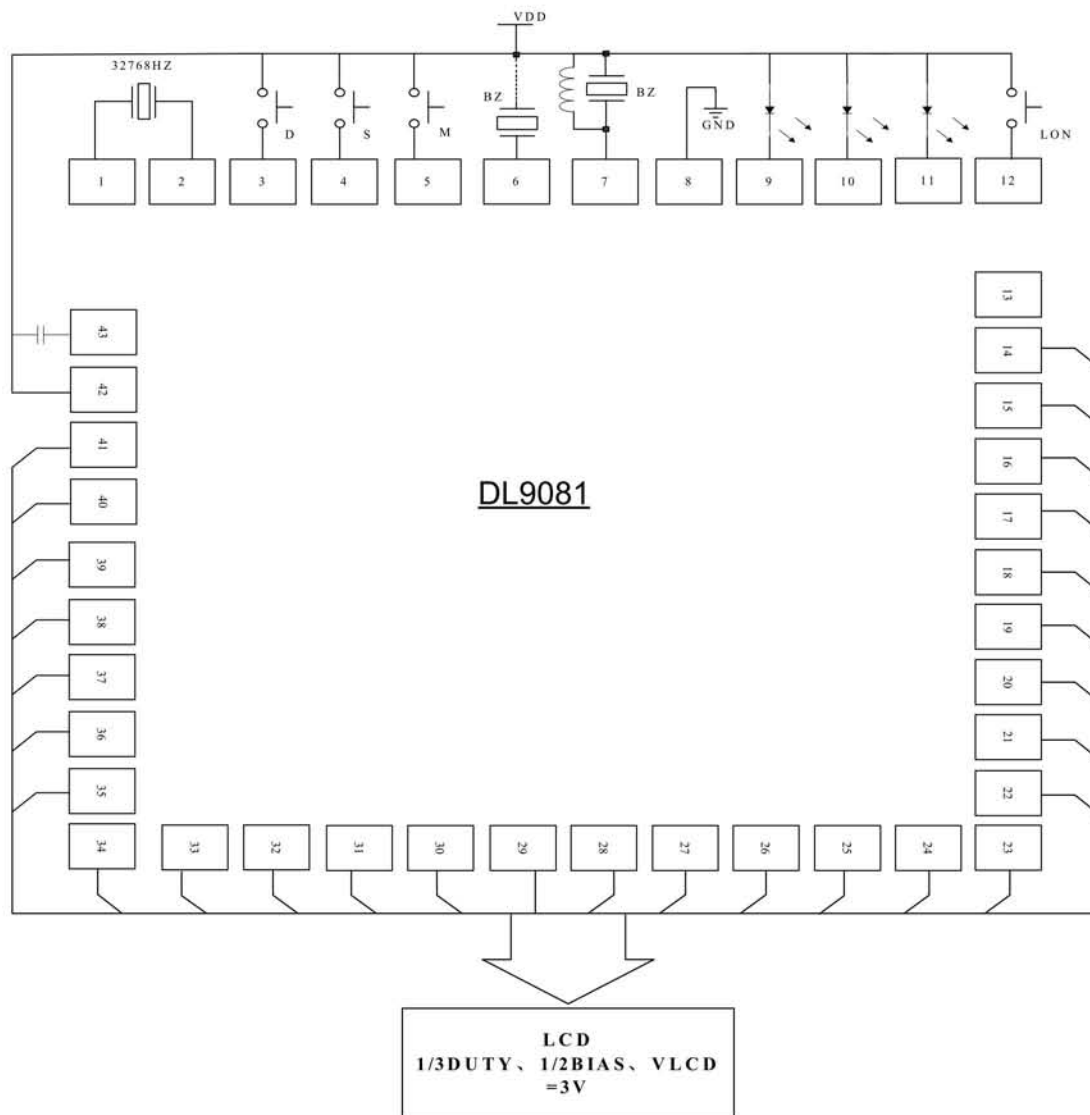
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Pad No	Name	X	Y	Pad No	Name	X	Y
1	OSCO	-665	719.3	23	SEG16	665	-722
2	OSCI	-540	720	24	SEG15	535	-720
3	D	-420	720	25	SEG14	415	-720
4	S	-300	720	26	SEG13	295	-720
5	M	-180	720	27	SEG12	175	-720
6	ALA	-60	720	28	SEG11	55	-720
7	ALB	65	715	29	SEG10	-65	-720
8	GND	192	720	30	SEG9	-185	-720
9	BL	313	720	31	SEG8	-305	-720
10	GL	432	720	32	SEG7	-425	-720
11	RL	550	720	33	SEG6	-545	-720
12	LON	670	720	34	SEG5	-667	-720
13	RESET	665	462	35	SEG4	-665	-581
14	SEG25	665	344	36	SEG3	-665	-461
15	SEG24	665	226	37	SEG2	-665	-341
16	SEG23	665	108	38	SEG1	-665	-222
17	SEG22	665	-10	39	COM3	-665	-103
18	SEG21	665	-128	40	COM2	-665	15
19	SEG20	665	-246	41	COM1	-665	134
20	SEG19	665	-364	42	VDD	-665	258
21	SEG18	665	-482	43	VSS	-665	378
22	SEG17	665	-600				

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### RECOMMEND APPLICATION 应用电路



注:

- 1) IC 衬底接VDD。
- 2) 6脚为小声输出口, 7脚为大声输出口, 应用时只可选择其中一脚。

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## 10位6功能七彩电子表IC

### 设定流程及按键操作

#### CLOCK MODE

