

**FEATURES**

- Single-chip CMOS construction
- Drives 12-digital triplexed LCD
- Colon display
- 32,768Hz ± 20ppm crystal frequency
- On chip oscillator
- Single 3V battery operation
- Low power dissipation
- Touch-tone signal

**FUNCTIONS**

- 6 functions: Month, Date, Day-of-Week, Hour, Minute, Second
- 6-digit chronograph
- Split function of chronograph
- User selectable 12-hour/24-hour format
- 4-year calendar
- Chime on every hour
- 3-switch sequential operation

**ABSOLUTE MAXIMUM RATINGS**

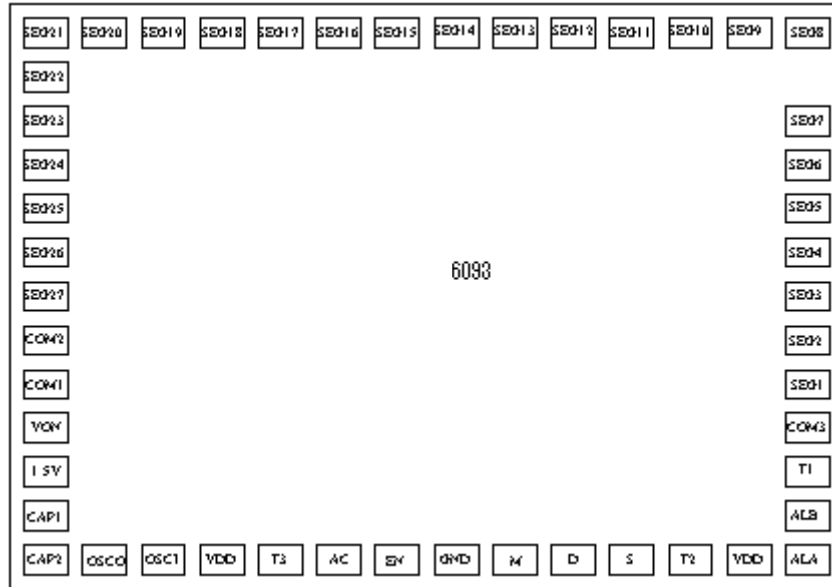
Characteristics	Symbol	Value	Unit
Supply voltage	VCC	-0.3 ~ +2.0	V
Operating temperature	Toper	-20 ~ +70	°C
Storage temperature	Tsto	-25 ~ +125	°C

**ELECTRICAL CHARACTERISTICS**

(Ta=25°C, VDD=0V, VCC=3.0V unless otherwise specified)

Characteristics	Symbol	Test condition	Min	Typ	Max	Unit
Operating voltage	VCC		2.4	3.0	3.6	V
Display voltage	VDD		3.6	4.5	5.4	V
Oscillator source voltage	Vout		-	-	2.7	V
Supply current	Icc	Without load	-	1.2	2.5	uA
Alarm drive current	I <sub>ALE</sub> I <sub>ALA</sub>	Vcc=0.5V(Both direction)	0.5	1	-	mA
Oscillator frequency	Fosc		-	32.768	-	Hz
Oscillator input and output capacitor	Cin Cout		-	20	-	pF

## PAD DIAGRAM(IC 衬底接 VSS)



★：建议邦定时，请调校邦机到适当超声焊接压力（推荐压力调校值在 15g~18g 左右为宜）！

Pad No.	Pad Name	X	Y	Pad No.	Pad Name	X	Y	Pad No.	Pad Name	X	Y
1	CAP2	10.00	10.00	18	SEG1	1465.00	497.80	35	SEG18	365.00	1335.00
2	OSCO	145.00	10.00	19	SEG2	1465.00	607.80	36	SEG19	255.00	1335.00
3	OSCI	255.00	10.00	20	SEG3	1465.00	717.80	37	SEG20	145.00	1335.00
4	VDD	365.00	10.00	21	SEG4	1465.00	827.80	38	SEG21	10.00	1335.00
5	T3	475.00	10.00	22	SEG5	1465.00	937.80	39	SEG22	10.00	1222.50
6	AC	585.00	10.00	23	SEG6	1465.00	1047.80	40	SEG23	10.00	1112.50
7	EN	695.00	10.00	24	SEG7	1465.00	1157.80	41	SEG24	10.00	1002.50
8	GND	805.00	10.00	25	SEG8	1465.00	1335.00	42	SEG25	10.00	892.50
9	M	915.00	10.00	26	SEG9	1335.00	1335.00	43	SEG26	10.00	782.50
10	D	1025.00	10.00	27	SEG10	1245.00	1335.00	44	SEG27	10.00	672.50
11	S	1135.00	10.00	28	SEG11	1135.00	1335.00	45	COM2	10.00	562.50
12	T2	1245.00	10.00	29	SEG12	1025.00	1335.00	46	COM1	10.00	452.50
13	VDD	1355.00	10.00	30	SEG13	915.00	1335.00	47	VON	10.00	342.50
14	ALA	1465.00	10.00	31	SEG14	805.00	1335.00	48	1.5V	10.00	232.50
15	ALB	1465.00	167.80	32	SEG15	695.00	1335.00	49	CAP1	10.00	122.50
16	T1	1465.00	277.80	33	SEG16	585.00	1335.00				
17	COM3	1465.00	387.80	34	SEG17	475.00	1335.00				

APPLICATION DIAGRAM

