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**DL9218**

## FUNCTIONS

- \* 6 Functions: Month, Date, Day-of-Week, Hour, Minute and second
- \* Alarm output for melody IC with 4 min snooze
- \* 6-digit Chronograph
- \* Split Function of Chronograph
- \* User selectable 12-hour/24-hour format
- \* 4-year calendar
- \* Fast advance for time and alarm time set
- \* Chime on every hour
- \* 3-switch sequential operation
- \* EL Function

## FEATURES

- \* Single-chip CMOS constructions
- \* Drives 12-digit triplexed LCD
- \* Colon display
- \* On chip oscillator
- \* 32768Hz crystal frequency
- \* Single 3V battery operation
- \* Debounce circuitry on switch inputs
- \* Low power dissipation
- \* Touch-tone signal

## DESCRIPTION

The DL9218 is a CMOS digital 6-function watch integrated circuit with alarm and chronograph function; Designed to for a 12-digit triplexed liquid crystal display. The DL9218 generates alarm, chime and touch-tone signals on the ALA output to drive a buzzer.

## ABSOLUTE MAXIMUM RATINGS

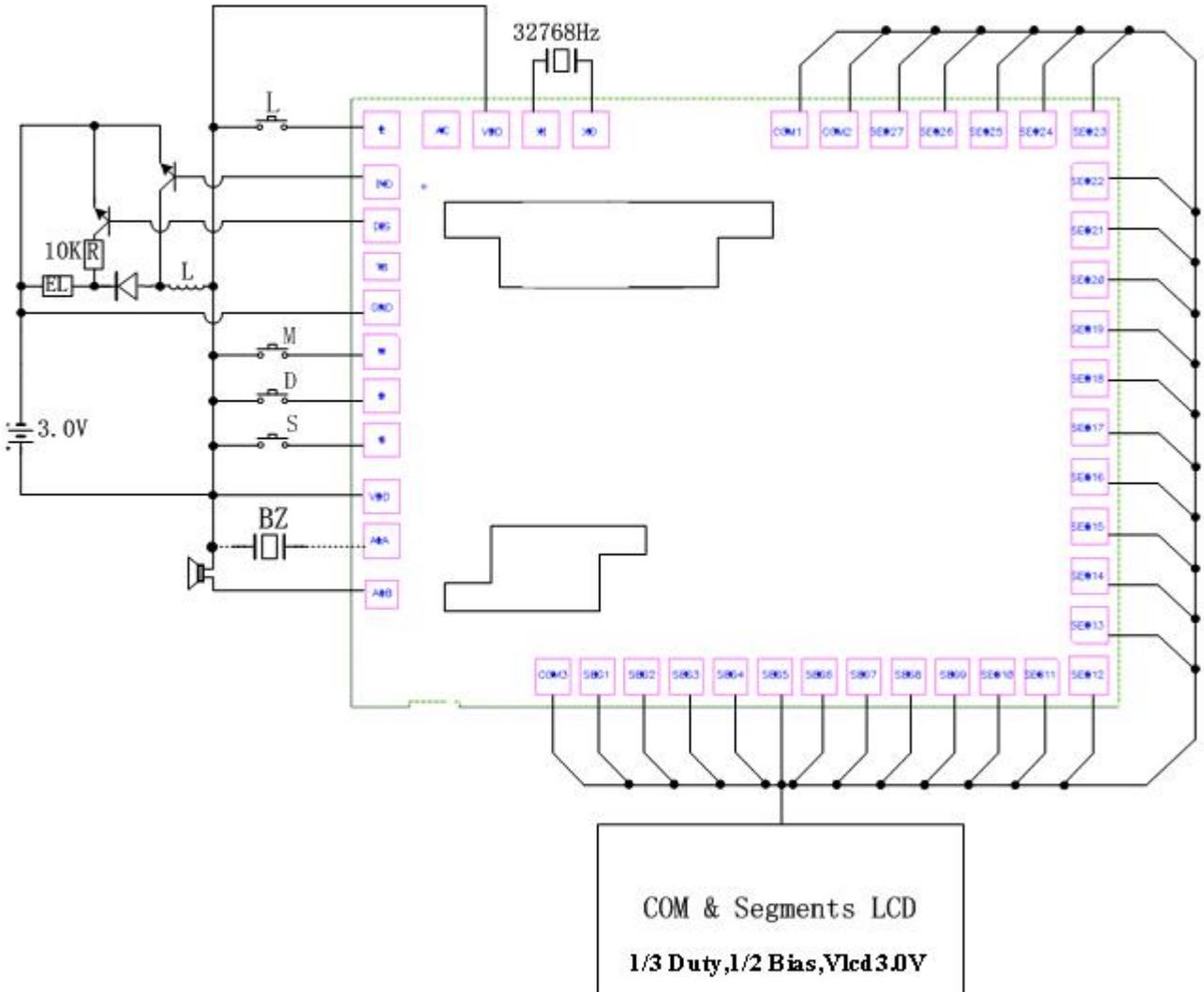
Characteristic	Symbol	Value	Unit
Supply Voltage	V <sub>CC</sub>	-0.3~+2.0	V
Operating Temperature	T <sub>opr</sub>	-20~+70	°C
Storage Temperature	T <sub>stg</sub>	-55~+125	°C

## ELECTRICAL CHARACTERISTICS 电特性

Characteristic	Symbol	Test Condition	Min	Typ	Max	Unit
Operating Voltage	V <sub>CC</sub>		2.4	3	3.6	V
Supply Current	I <sub>CC</sub>	Without load		1.2	2.5	μA
Oscillator Start Voltage	V <sub>OSC</sub>				1.45	V
Oscillator Stop Voltage	V <sub>OSP</sub>				1.15	V
Oscillator Frequency	F <sub>OSC</sub>			32768		Hz
Oscillator Input Capacitor	C <sub>IN</sub>			25		pF
Oscillator Output Capacitor	C <sub>OUT</sub>			25		pF



DL9218 应用图



- 备注: 1. ALB 脚为内置三极管输出端, 可直接驱动喇叭;  
2. 稳压电容已内置, 如需微调时间精度, 可通过晶振的 PPM 值调整;  
3. 衬底接 VDD。