

FEATURES

- ROM Capacity
 - Program ROM $12\text{K} \times 23\text{-bits}$
 - Character ROM $5 \times 8 \times 128\text{-bits}$
- RAM Capacity
 - Working RAM 256×4 bits
 - Display RAM 60×8 bits
 - Data RAM 512×8 bits
- LCD Display 60 segment $\times 8$ Common
- I/O Ports
 - Buzzer Output 1-bit (4 kHz)
 - Key Input 7-bits
- Standby Release 2 Events
 - 2 Hz Signal
 - Key Input

- Built-in Oscillator
 - System Clock (Built-in CR Oscillator) 300 kHz
 - Timer (Built-in CR Oscillator) 32.8 kHz
 - Timer (External Crystal) 32.768 kHz
- Instruction Cycle Time 10 μs
- Operating Temperature -10°C to $+60^\circ\text{C}$
- Supply Voltage 2.5 V to 3.4 V
- 100-pin QFP Package (QFP100-P-1420)

DESCRIPTION

The SM3515 is a CMOS 4-bit single-chip microcomputer for data bank use incorporating data memory RAM, LCD driver, key input circuit, and buzzer output circuit. By connecting an external crystal, a 1 Hz timer interrupt is made possible for easier clock function.

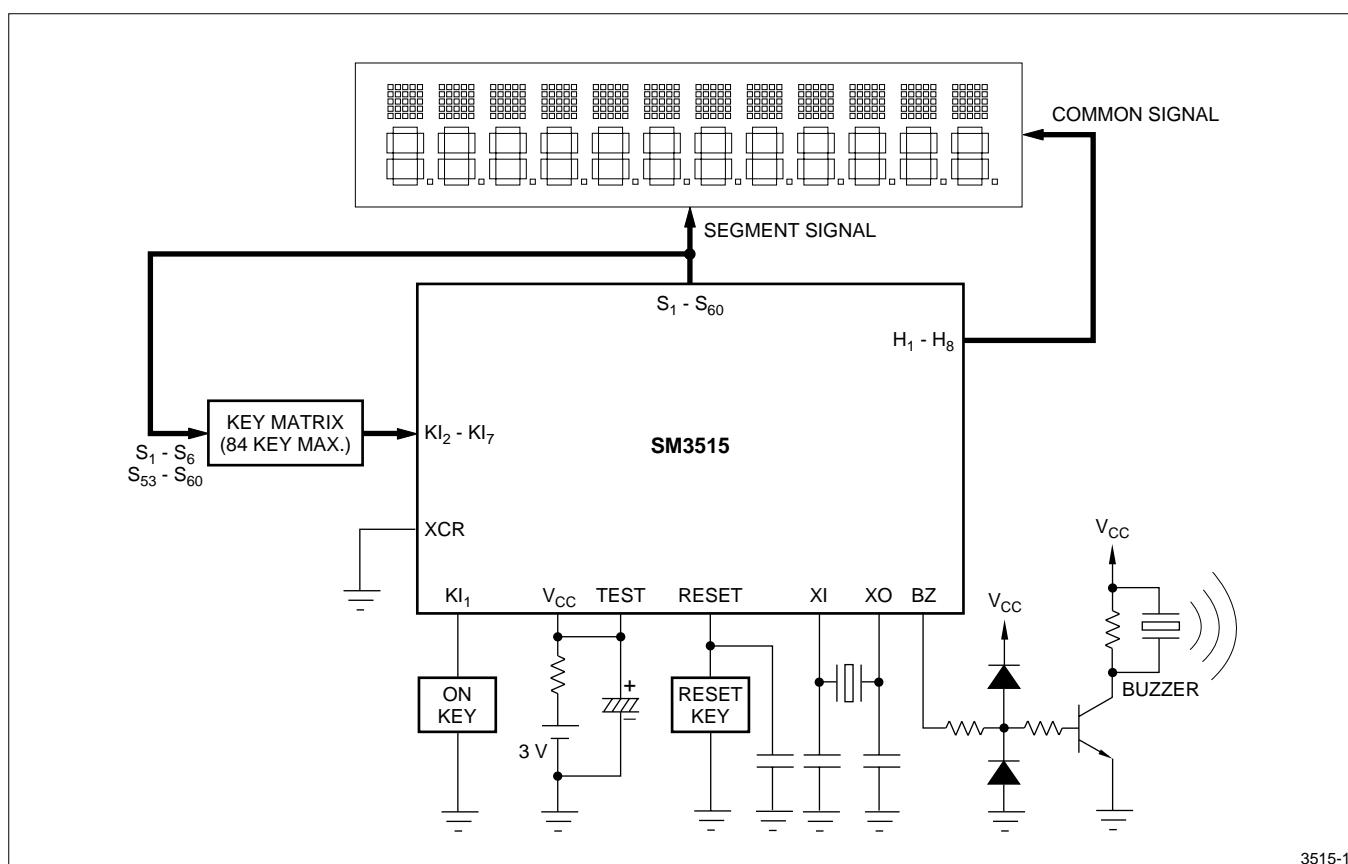


Figure 1. System Configuration Example

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