

## KS55 SERIES

### FEATURES

- 16-bit ROM architecture
- VFD or LCD direct drive
- Power-down mode
- Built-in Crystal/Ceramic oscillation circuit
- Operating temperature from -40 to 85 °C

### APPLICATIONS

- Car Stereo with Digital Tuning System
- Microwave Ovens
- Washing Machines
- Other LCD and VFD Application

### CHARACTERISTICS

| Device   | ROM<br>(byte) | RAM<br>(nibble) | Supply<br>Voltage | Max.<br>Osc.<br>(MHz) | I/O pins |     |     | Ext.<br>Inter-<br>rupt | SIO         | Timer/<br>Counter | IF<br>counter | PLL        | A/D         | PWM         | Display            | Package | Piggyback |
|----------|---------------|-----------------|-------------------|-----------------------|----------|-----|-----|------------------------|-------------|-------------------|---------------|------------|-------------|-------------|--------------------|---------|-----------|
|          |               |                 |                   |                       | In       | Out | I/O |                        |             |                   |               |            |             |             |                    |         |           |
| KS55C232 | 4K            | 256             | 5V                | 6.0                   | 4        | 3   | 12  | 1                      | 8bit<br>1ch | 125 & 5<br>ms F/F | 16bit<br>1ch  | 150<br>MHz | 6bit<br>1ch | 6bit<br>1ch | LCD<br>28seg, 20om | 64QFP   | PC55C232  |
| KS55C370 | 6K            | 256             | 5V                | 2.0                   | 0        | 12  | 12  | 1                      | 8bit<br>1ch | 8bit<br>1ch       |               |            | 8bit<br>4ch |             | VFD<br>8seg, 12dig | 40DIP   | PB55C370  |

Note : Byte = 8 bits, nibble = 4 bits