

8-bit micro-controller with 160 dots LCD driver

Features

- Single chip 8-bit micro-controller
- Operating voltage: 2.2V to 5.5V
- Memory :
 - ◆ Program ROM : 8K Bytes
 - ◆ Data RAM : 128 Bytes
 - ◆ LCD display RAM : 20 Bytes
- 18 input/output pins:
 - ◆ Dedicated I/O pins: P0[0:3] ,P2[0:1]
 - ◆ Shared input or output pins:
 - P0[4:5]/TMin
 - P1[0:1]/IR
 - P3[0:7]/Segment
- LCD driver output:
 - ◆ Max 32 segment × 5 common
 - ◆ 1/4 or 1/5 duty 1/3 bias driving mode
- Two re-loadable 8-bit timers
- Build-in Watch-Dog timer
- Build-in dual oscillation circuit:
 - ◆ Single or dual clock operation is selected by code option
 - ◆ RC type main oscillator
 - ◆ Crystal type sub-oscillator
 - ◆ Oscillator up to 4MHz @ 2.4V and 6MHz @ 3.6V

Application Field

Timepiece, sport meter