

8-Bit Microcontroller with 64K Flash**PRELIMINARY PT8936**

DESCRIPTION

The PT8936 is a low-power, high-performance CMOS 8-bit microcontroller with 64K bytes Flash ROM for firmware updating. The device utilizes high-density nonvolatile memory technology and is compatible with the industry-standard MCS-51 instruction set and pin out. The on-chip Flash allows the ROM to be reprogrammed in-system. By combining an 8-bit CPU with Flash on a monolithic chip, the PT8936 is a powerful microcontroller which provides a highly-flexible and cost-effective solution to many embedded control applications.

FEATURES

- 8051 instruction set compatible 8-bit microcontroller
- 8051 compatible pin out
- 64K bytes of in-system reprogrammable flash memory
 - Endurance: 100,000 write/erase cycle
- Fully static operation: 10Hz to 24MHz
- Three-level program memory lock
- 128*8-bit/256*8-bit internal RAM
- 32 programmable I/O lines
- Two 16-bit timer/counters
- On-chip oscillator for crystal
- 6 interrupt sources
- One full-duplex serial UART port compatible with standard 8051
- Low-power Idle and Power-down modes
- ROM code protection
- 2.4V to 5.5V operation voltage, 5V programmable
- Available in 44 pin PLCC, TQF, or 40 pin DI package

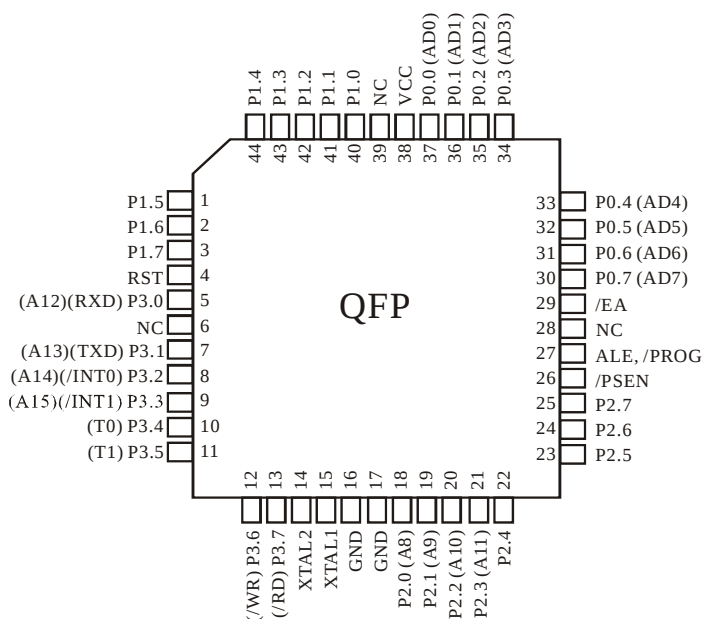
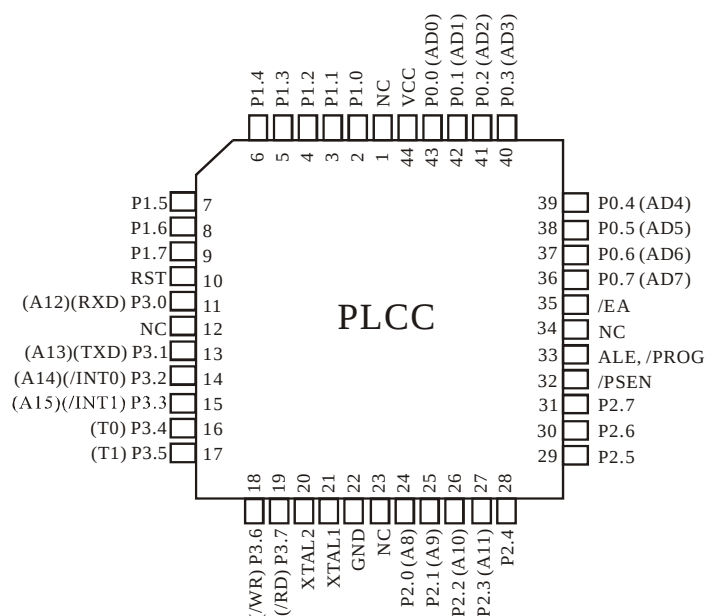
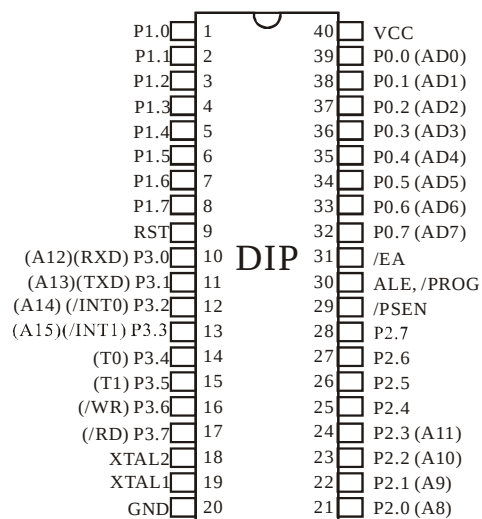
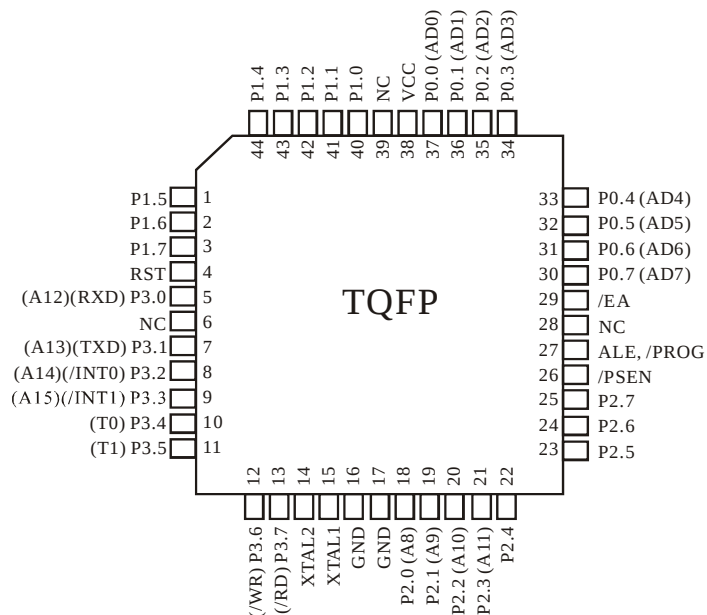
APPLICATIONS

- System Integration Control

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PIN CONFIGURATIONS



ORDER INFORMATION

Part Number	Package Type	Top Code
PT8932	40 Pin, DIP Package	PT8932
PT8932-Q	44 Pin, QFP Package	PT8932-Q
PT8932-P	44 Pin, PLCC Package	PT8932-P
PT8932-T	44 Pin, TQFP Package	PT8932-T
PT8936	40 Pin, DIP Package	PT8936
PT8936-Q	44 Pin, QFP Package	PT8936-Q
PT8936-P	44 Pin, PLCC Package	PT8936-P
PT8936-T	44 Pin, TQFP Package	PT8936-T