

# Micro MINI E0C6006

## 4-bit Single Chip Microcomputer

Preliminary

- E0C6200B Core CPU
- Low Voltage and Low Power
- Built-in LCD Driver
- Ir Output

### ■ DESCRIPTION

Micro MINI "E0C6006" is a single chip microcomputer for battery-driven products with 7-segment LCD display. It achieves low cost performance, and is suitable for a product added some feature instead of standard IC. It consists that Seiko Epson's original core CPU E0C6200B, LCD driver (20 segments × 4 commons), 128 words RAM, 2K words ROM, clock timer and so on.

### ■ FEATURES

- CMOS LSI 4-bit parallel processing
- Clock ..... 32.768kHz/455kHz
- Instruction set ..... 100 instructions
- ROM capacity ..... 2K × 12 bits
- RAM capacity ..... 128 × 4 bits
- I/O port ..... I: 8 bits (with pull-down resistor selectable by mask option)  
O: 4 bits  
I/O: 4 bits
- Supply voltage detector (SVD) ..... No support
- Clock timer ..... 1ch.
- LCD driver ..... 20 segments × 4/3 commons
- Interrupt ..... External : Key interrupt            1 line  
Internal : Clock timer interrupt    1 line
- Operation voltage ..... 2.2 to 3.5V
- Power consumption ..... 2.0μA (32.768kHz X'tal, 3.0V, HALT)  
9.0μA (32.768kHz X'tal, 3.0V, RUN)
- Package ..... Die form (pad pitch = 130μm) or QFP6-64pin

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