

EPSON 4-bit MCU S1C6014 SPEC

Core CPU	S1C6200C COMS 4-bit core
ROM size	4,096 words x 12 bits
RAM size	208 words x 4 bits
Clock	32.768 KHz crystal oscillator circuit 455 KHz ceramic or CR oscillation circuit
Instruction execution time	32KHz operation:153, 214 or 366 usec 455KHz operation:11, 15or 26usec
Instruction set	100 instructions
Input port	8 ports
Output port	9 ports
I/O ports	4ports
Infrared remove-control output	1 channel
LCD driver	32 segments x 3 or 4 commons (1/3 duty or 1/4 duty is selected by mask option)
Clock timer	Built-in
Watchdog timer	Built-in
Analog comparator	1 channel
SVD circuit	Detection voltage: 2.3V
Interrupt	External: 2 input interrupts Internal:3 timer interrupts(32KHz,8Hz or 2Hz) 1 remote control output control interrupt
Supply voltage	3V(2.2V to 3.6 V)
Current consumption (Ttp.)	32 KHz operation :2uA halt mode 5uA in full run mode 455 KHz operation:100uA(Ceramic) 100uA(CR)
Supply form	Die form or QFP5-80 pin package