

| flash (bytes) | ram (bytes) | EE- PROM (bytes) | Timer | A/D Chan- nel/ Bits | Osc. Type | Pins/ Package | Mftrs. List No. | Order Code | Price Each | | | |
|------------------|----------------|------------------------|--------------------------------------|---------------------------|--------------|------------------|-----------------|-----------------|------------|--------|--------|--|
| | | | | | | | | | 1+ | 10+ | 100+ | |
| | | | 1 Channel 16-bit Time Base Module | | | | | | | | | |
| 2K | 128 | — | 2-channel 16-bit | 4 / 8 | XTAL | 16 / DIL | MC908KX2CPE | 120-0524 | 266.00 | 154.00 | 145.00 | |
| 2K | 128 | — | 2-channel 16-bit | 4 / 8 | XTAL | 16 / SOIC | MC908KX2CDWE | 120-0523 | 266.00 | 154.00 | 145.00 | |
| | | | Time Base Module | | | | | | | | | |
| 8K | 128 | — | 2-channel 16-bit | 4 / 8 | XTAL | 16 / DIL | MC908KX8CPE | 120-0527 | 272.00 | 216.00 | 199.00 | |
| | | | Time Base Module | | | | | | | | | |
| 8K | 128 | — | 2-channel 16-bit | 4 / 8 | XTAL | 16 / SOIC | MC908KX8CDWE | 120-0526 | 317.00 | 207.00 | 195.00 | |
| | | | Time Base Module | | | | | | | | | |
| 7680 | | 512 | Dual 4-channel 16-bit | / 8 | XTAL | 28 / DIL | MC908GR8CPE | 114-8425 | 353.00 | 294.00 | 235.00 | |
| | | | Time Base Module | | | | | | | | | |
| 4096 | | 1024 | 6-channel 16-bit | / 8 | XTAL | 28 / DIL | MC908JL3ECPE | 114-8439 | 225.00 | 188.00 | 150.00 | |
| 64Kbyte | | — | Dual 2-channel 16-bit | / 10 | XTAL | 80 / QFP | MC9S12DG256CFUE | 116-5792 | 1,188.00 | 931.00 | 877.00 | |
| 8K | 256 | — | Dual 2-channel 16-bit | 7 / 10 | XTAL | 28 / SOIC | MC908MR8CDWE | 120-0529 | 423.00 | 276.00 | 260.00 | |
| 32768 | | — | 4-channel 16-bit | / 10 | XTAL | 64 / QFP | MC908MR32CFUE | 114-8452 | 647.00 | 539.00 | 431.00 | |
| | | | 2-channel 16-bit | | | | | | | | | |
| 16128 | | — | 4-channel 16-bit | / 10 | XTAL | 64 / QFP | MC908MR16CFUE | 114-8451 | 481.00 | 401.00 | 320.00 | |
| | | | 2-channel 16-bit | | | | | | | | | |
| 256K | | — | 4-channel 16-bit | / 10 | XTAL | 112 / LQFP | MC9S12A256CPVE | 116-5785 | 1,018.00 | 786.00 | 716.00 | |
| | | | 2-channel 16-bit | | | | | | | | | |
| 32 K | 768 | — | 4-channel 16-bit | 10 / 10 | XTAL | 56 / DIL | MC908MR32CBE | 120-0528 | 628.00 | 452.00 | 411.00 | |
| | | | 2-channel 16-bit | | | | | | | | | |
| 8192 | | — | 2-channel 16-bit | — | XTAL | 44 / QFP | MC908JB8FBE | 114-8432 | 183.00 | 153.00 | 122.00 | |
| 7680 | | — | 2-channel 16-bit | — | XTAL | 32 / LQFP | MCHC908GR8CFAE | 114-8488 | 353.00 | 294.00 | 235.00 | |
| 32768 | | — | 2-channel 16-bit | — | XTAL | 64 / QFP | MC908AB32CFUE | 114-8409 | 636.00 | 530.00 | 425.00 | |

210715

| Mftr. | Pins | Description | Mftrs. List No. | Order Code | 1+ | 25+ | 100+ | 250+ | + |
|--------------|-------|-------------|--|------------------|-----------------|--------|--------|--------|----|
| 68711 | | | | | | | | | |
| 68HC711 | FSL | 52 | 8-bit MCU, 512 bytes RAM, 12K bytes OTP PROM, 38 I/O ports, multiplexed bus, timer and ADC. PLCC Package | MC68HC711E9CFNE2 | 120-0546 | 884.00 | 658.00 | 605.00 | -- |
| 68HC711 | FSL | 44 | 8-bit MCU, 192 bytes RAM, 4K bytes OTP PROM, 32 I/O ports | MC68HC711D3CFNE2 | 120-0551 | 522.00 | 400.00 | 364.00 | -- |
| Z80 | | | | | | | | | |
| 84C | ZILOG | 40 | 8-bit CMOS CPU, 8MHz | Z84C0008PEG | 108-1890 | 338.00 | 263.00 | 241.00 | -- |
| 84C | ZILOG | 40 | 8-bit CMOS CPU, 10MHz | Z84C0010PEG | 108-1891 | 347.00 | 263.00 | 241.00 | -- |
| 8031 | | | | | | | | | |
| 80C31 | PS | 44 | 8-bit CMOS CPU, 128 bytes RAM - 12MHz. PLCC Package | N80C31BH-1 | 316-6223 | 325.00 | 300.00 | 292.00 | -- |
| 80C31 | PS | 40 | 8-bit CMOS CPU, 128 bytes RAM - 16MHz | P80C31BH-1 | 316-6260 | 250.00 | 234.00 | 225.00 | -- |
| 80C31 | PS | 40 | 8-bit CMOS CPU, 128 bytes RAM - 16MHz | P80C31SBPN | 120-509 | 160.00 | 129.00 | 96.00 | -- |
| 8032 | | | | | | | | | |
| 80C32 | PS | 40 | 8-bit CMOS CPU, 256 bytes RAM - 16MHz (Low Voltage) | P80C32SBPN | 121-071 | 164.00 | 134.00 | 100.00 | -- |
| 80C32 | PS | 44 | 8-bit CMOS CPU, 256 bytes RAM - 33MHz. PLCC Package | P80C32UBAA | 120-1265 | 184.00 | 147.00 | 111.00 | -- |
| 80C32 | PS | 40 | 8-bit CMOS CPU, 256 bytes RAM - 33MHz | P80C32UBPN | 316-6132 | 184.00 | 147.00 | 111.00 | -- |

C8051F Development Tools



Silicon Laboratories development kits provide a comprehensive Integrated Development Environment for unobtrusive real-time debug in the target system. Unlike generic Development Boards, Silicon Laboratories Development Kits offer features and performance typically found on high-end development systems. These kits are complete with all hardware, software, cables and power supply. The user only needs a PC running Windows (95/98/Me/NT) with a free COM port.



Silicon Laboratories Development Kits include advanced debug features enabling the user to fully develop and integrate the hardware and software design. Since Silicon Laboratories parts have built-in debug capabilities, the development environment can be used with devices already installed in the end application. This development system is not encumbered with sockets, target cables, or "ICE Chips". Silicon Laboratories Development Kits support the following debug/emulator.

- Features:
- Editing & Managing Project Files
 - An Evaluation C Compiler
 - Configuration Wizard - writes the source code necessary to set up the peripherals
 - Run, Halt, Single-Stepping and Animate
 - Set Hardware Breakpoints
 - Inspect/Modify Memory and Registers
 - Download Program Memory

239198

| Mftrs. List No. | Description | Order Code | Price Each |
|-----------------|-----------------------|-----------------|------------|
| C8051F005DK-B | DEV KIT UK PLUG | 412-7973 | 11,116.00 |
| C8051F005DK-E | DEV KIT EUROPEAN PLUG | 412-7985 | 11,668.00 |
| C8051F020DK-B | DEV KIT UK PLUG | 412-7997 | 14,230.00 |
| C8051F040DK-B | DEV KIT UK PLUG | 423-8217 | 43,224.00 |
| C0851F226DK-E | DEV KIT EUROPEAN PLUG | 412-8047 | 11,760.00 |
| C8051F310DK-E | DEV KIT EUROPEAN PLUG | 423-8266 | 9,191.00 |

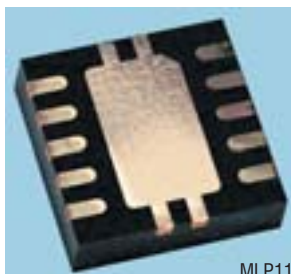
Silicon Laboratories Microcontrollers



TQ48



TQ64



MLP11



TQ100



LPQ32

Silicon Laboratories offers a range of In-System Programmable, mixed signal System-on-Chip microcontroller products. They integrate world-class analogue peripherals, a high-speed pipelined 8051 CPU, ISP Flash Memory, and on-chip JTAG based debug in each device. Silicon Laboratories concentrates on reducing the cost of the system by integrating more functions onto a single device.

Semiconductors - Integrated Circuits

23

Compliant
Non-compliant
+ Limited stock - RoHS replacement available

RoHS