

SILICON LABS Microcontrollers

RoHS Compliant This product is RoHS compliant.



MCU / MPU / DSP

Silicon Labs

ULTRA LOW POWER MCUS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	MIPS (Peak)	Flash (KB)	RAM (bytes)	Digital Port I/O Pins	Interfaces				Analog Peripherals							Price Each			
Mfr.	Mfr. Part No.						UART	I2C	SPI	EMIF	Internal Osc.	Timers	PCA Ch.	ADC	DAC	Temp Sensor	VREF	Comparators	1	25	100
634	C8051F985-GM	QFN-20	25	2	512	16	Yes	Yes	Yes	No	±2%	4 16-bit	3	--	No	Yes	Yes	1	1.56	1.45	1.20
634	C8051F982-GM	QFN-20	25	4	512	16	Yes	Yes	Yes	No	±2%	4 16-bit	3	10-bit	No	Yes	Yes	1	1.78	1.67	1.38
634	C8051F983-GM	QFN-20	25	4	512	16	Yes	Yes	Yes	No	±2%	4 16-bit	3	--	No	Yes	Yes	1	1.63	1.52	1.26
634	C8051F988-GM	QFN-24	25	4	512	17	Yes	Yes	Yes	No	±2%	4 16-bit	3	10-bit	No	Yes	Yes	1	1.89	1.77	1.45
634	C8051F988-GU	QSOP-24	25	4	512	17	Yes	Yes	Yes	No	±2%	4 16-bit	3	10-bit	No	Yes	Yes	1	1.89	1.77	1.45
634	C8051F989-GM	QFN-24	25	4	512	17	Yes	Yes	Yes	No	±2%	4 16-bit	3	--	No	Yes	Yes	1	1.70	1.59	1.31
634	C8051F989-GU	QSOP-24	25	4	512	17	Yes	Yes	Yes	No	±2%	4 16-bit	3	--	No	Yes	Yes	1	1.70	1.59	1.31
634	C8051F980-GM	QFN-20	25	8	512	16	Yes	Yes	Yes	No	±2%	4 16-bit	3	12-bit	No	Yes	Yes	1	2.00	1.86	1.52
634	C8051F981-GM	QFN-20	25	8	512	16	Yes	Yes	Yes	No	±2%	4 16-bit	3	--	No	Yes	Yes	1	1.75	1.63	1.35
634	C8051F986-GM	QFN-24	25	8	512	17	Yes	Yes	Yes	No	±2%	4 16-bit	3	12-bit	No	Yes	Yes	1	2.08	1.95	1.60
634	C8051F986-GU	QSOP-24	25	8	512	17	Yes	Yes	Yes	No	±2%	4 16-bit	3	12-bit	No	Yes	Yes	1	2.08	1.95	1.60
634	C8051F987-GM	QFN-24	25	8	512	17	Yes	Yes	Yes	No	±2%	4 16-bit	3	--	No	Yes	Yes	1	1.84	1.72	1.41
634	C8051F987-GU	QSOP-24	25	8	512	17	Yes	Yes	Yes	No	±2%	4 16-bit	3	--	No	Yes	Yes	1	1.84	1.72	1.41
634	C8051F901-GM	QFN-24	25	8	768	16	Yes	Yes	2	No	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	2.73	2.55	2.11
634	C8051F901-GU	QSOP-24	25	8	768	16	Yes	Yes	2	No	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	2.73	2.55	2.11
634	C8051F902-GM	QFN-24	25	8	768	16	Yes	Yes	2	No	2%	4 16-bit	6	12-bit	No	Yes	Yes	2	2.92	2.73	2.25
634	C8051F902-GU	QSOP-24	25	8	768	16	Yes	Yes	2	No	2%	4 16-bit	6	12-bit	No	Yes	Yes	2	2.92	2.73	2.25
634	C8051F911-GM	QFN-24	25	16	768	16	Yes	Yes	2	No	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	3.01	2.81	2.32
634	C8051F911-GU	QSOP-24	25	16	768	16	Yes	Yes	2	No	2%	4 16-bit	6	12-bit	No	Yes	Yes	2	3.01	2.81	2.32
634	C8051F912-GM	QFN-24	25	16	768	16	Yes	Yes	2	No	2%	4 16-bit	6	12-bit	No	Yes	Yes	2	3.21	3.00	2.46
634	C8051F912-GU	QSOP-24	25	16	768	16	Yes	Yes	2	No	2%	4 16-bit	6	12-bit	No	Yes	Yes	2	3.21	3.00	2.46
634	C8051F920-GM	QFN-32	25	32	4352	24	Yes	Yes	2	Yes	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	4.07	3.80	3.13
634	C8051F920-GQ	LQFP-32	25	32	4352	24	Yes	Yes	2	Yes	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	4.21	3.93	3.25
634	C8051F921-GM	QFN-24	25	32	4352	16	Yes	Yes	2	No	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	3.57	3.34	2.75
634	C8051F930-GM	QFN-32	25	64	4352	24	Yes	Yes	2	Yes	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	4.43	4.14	3.41
634	C8051F930-GQ	LQFP-32	25	64	4352	24	Yes	Yes	2	Yes	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	4.57	4.27	3.53
634	C8051F931-GM	QFN-24	25	64	4352	16	Yes	Yes	2	No	2%	4 16-bit	6	10-bit	No	Yes	Yes	2	3.94	3.68	3.03
634	C8051F968-A-GQ	QFP-80	25	16	4096	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	12-bit	No	Yes	Yes	2	5.82	5.62	5.39
634	C8051F966-A-GQ	QFP-80	25	32	8192	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	12-bit	No	Yes	Yes	2	6.50	6.28	6.02
634	C8051F964-A-GQ	QFP-80	25	64	8192	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	12-bit	No	Yes	Yes	2	6.87	6.64	6.37
634	C8051F962-A-GQ	QFP-80	25	128	8192	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	12-bit	No	Yes	Yes	2	7.41	7.16	6.87
634	C8051F960-A-GQ	QFP-80	25	128	8192	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	12-bit	No	Yes	Yes	2	8.02	7.75	7.43
634	C8051F960-A-GM	DQFN-76	25	128	8448	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	6.64	6.21	4.91
634	C8051F961-A-GM	QFN-40	25	128	8448	34	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	6.45	6.03	4.77
634	C8051F962-A-GM	QFN-40	25	128	8448	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	6.14	5.73	4.53
634	C8051F963-A-GM	QFN-40	25	128	8448	34	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	6.01	5.62	4.44
634	C8051F964-A-GM	TQFP80	25	64	8448	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	5.70	5.32	4.21
634	C8051F965-A-GM	DQFN-76	25	64	8448	34	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	5.57	5.21	4.11
634	C8051F966-A-GM	DQFN-77	25	32	8448	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	5.38	5.03	3.97
634	C8051F967-A-GM	QFN-40	25	32	8448	34	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	5.26	4.91	3.88
634	C8051F968-A-GM	DQFN-76	25	16	4352	57	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	4.80	4.49	3.55
634	C8051F969-A-GM	QFN-40	25	16	4352	34	Yes	Yes	Yes	No	±2%	4 16-bit	6	10/12-bit	No	Yes	Yes	2	4.68	4.37	3.46

SMART INTERFACE ICs

USB to UART Bridge

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Package	EEPROM (bytes)	FIFO (bytes)	Digital Port I/O Pins	Serial Buses	Analog Peripherals				Price Each		
Mfr.	Mfr. Part No.						Internal Osc.	VREG	RS485	Split VDDIO	1	25	100
634	CP2105-F01-GM	QFN-24	296	608	-	UART, USB 2.0	Yes	Yes	Yes	Yes	2.01	1.88	1.42
634	CP2110-F01-GM	QFN-24	343	960	10	UART, USB 2.0	Yes	Yes	Yes	Yes	1.98	1.85	1.40
634	CP2110-F02-GM1	QFN-28	343	960	10	UART, USB 2.0	Yes	Yes	Yes	Yes	2.05	1.91	1.44
634	CP2101-GM	QFN-28	512	1K	-	USB to UART Bridge	Yes	Yes	No	No	4.10	3.83	3.19
634	CP2102-GM	QFN-28	1024	1K	-	USB to UART Bridge	Yes	Yes	No	No	3.26	3.04	2.54
634	CP2103-GM	QFN-28	1024	1K	4	USB to UART Bridge	Yes	Yes	Yes	Yes	4.40	4.11	3.42
634	CP2104-F03-GM	QFN-24	1024	1152	4	UART, USB 2.0	Yes	Yes	Yes	Yes	1.96	1.83	1.38
Evaluation Kit Description													
634	CP2104EK	Evaluation kit for the CP2104 USB to UART bridge. Includes a USB cable, serial cable and full documentation.									29.00	-	-
634	CP2105EK	Evaluation kit for the CP2105 USB to Dual UART bridge. Includes a USB cable, two serial cables and full documentation.									39.00	-	-
634	CP2110EK	Evaluation kit for the CP2110 HID USB to UART bridge. Includes a USB cable, serial cable and full documentation.									39.00	-	-

Single-Chip USB HID Touch-Screen Bridge Development Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each
634-CP2501DK	CP2501 Dev Kit includes motherboard, daughterboard, quick-start guide, CD, AC-DC universal power adaptor and two USB cables	50.00

SPI to I2C Expander

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	EEPROM (bytes)	FIFO (bytes)	Port I/O Pins	Serial Buses	Analog Peripherals		Price Each		
							Internal Osc.	VREG	1	25	100
634-CP2120-GM	CP2120-GM	QFN-20	-	512	9	SPI to I2C Bridge	Yes	Yes	2.61	2.44	2.04

Ethernet Controller ICs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Flash (KB)	RAM (bytes)	Port I/O Pins	Parallel Host Interface	Parallel Host Interface Speed	LEDs	Temperature Range	Price Each		
										1	25	100
634-CP2200-GQ	CP2200-GQ	TQFP-48	8	2K	-	8-bit non-multiplexed EMIF	30 Mbps	Separate link and activity	-40 to +85	6.92	6.47	5.40
634-CP2201-GM	CP2201-GM	QFN-28	8	2K	-	8-bit multiplexed EMIF	30 Mbps	Combined link and activity	-40 to +85	5.87	5.49	4.57

LCD Controllers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	RAM (bytes)	LCD Segments	I/O Pins	Serial Buses	Analog Peripherals		Temperature Range	Price Each		
							Internal Osc.	Timers		1	25	100
634-CP2400-GM	CP2400-GM	QFN-48	256	128	36	SPI	Yes	2 16-bit	-40 to +85	2.07	1.93	1.62
634-CP2400-GQ	CP2400-GQ	QFP-48	256	128	36	SPI	Yes	2 16-bit	-40 to +85	2.07	1.93	1.62
634-CP2401-GM	634-CP2401-GM	QFN-48	256	128	36	I2C	Yes	2 16-bit	-40 to +85	2.07	1.93	1.62
634-CP2401-GQ	634-CP2401-GQ	QFP-48	256	128	36	I2C	Yes	2 16-bit	-40 to +85	2.07	1.93	1.62
634-CP2402-GM	634-CP2402-GM	QFN-32	256	64	20	SPI	Yes	2 16-bit	-40 to +85	1.43	1.34	1.12
634-CP2403-GM	634-CP2403-GM	QFN-32	256	64	20	I2C	Yes	2 16-bit	-40 to +85	1.43	1.34	1.12