

SILICON LABS Wireless Solutions



This product is RoHS compliant.



Wireless Solutions

Silicon Labs

EZRADIO®



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate FSK, OOK (kbps)	Frequency Range (MHz)	Output Power		Supply Voltage (V)	Idle Current (mA)	Price Each		
						868MHz	434MHz			1	25	100
Transmitter ICs												
634-SI4020-I1-FT	SI4020-I1-FT	TSSOP-16	FSK, OOK	256,256	315, 433, 868, 915	1dBm	3dBm	2.2 - 5.4	1.5	2.07	1.93	1.77
634-SI4021-A1-FT	SI4021-A1-FT	TSSOP-16	FSK, OOK	115,512	433, 868, 915	6dBm	8dBm	2.2 - 5.4	1.5	1.78	1.67	1.53
Receiver ICs												
634-SI4355-B1A-FM	SI4355-B1A-FM	QFN-20	(G)FSK, OOK	500, 120	283-960	-	-	1.8-3.6	-	1.22	1.14	.958
634-SI4312-B10-GM	SI4312-B10-GM	QFN-20	OOK	10	315, 434	-	-	2.7 - 3.6	-	2.40	2.30	2.16
634-SI4313-B1-FM	SI4313-B1-FM	QFN-20	FSK, OOK	256,40	315, 434, 868, 915	-	-	1.8 - 3.6	-	2.61	2.44	2.22
634-SI4320-J1-FT	SI4320-J1-FT	TSSOP-16	FSK, OOK	256,1	315, 433, 868, 915	-	-	2.2 - 5.4	3	2.61	2.44	2.22
634-SI4322-A0-FT	SI4322-A0-FT	TSSOP-16	FSK	256	433, 868, 915	-	-	2.2 - 3.8	0.5	2.63	2.45	2.05
Transceiver ICs												
634-SI4455-B1A-FM	SI4455-B1A-FM	QFN-20	(G)FSK, OOK	500, 120	283-960	12dBm	13dBm	1.8-3.6	-	1.83	1.77	1.75
634-SI4420-D1-FT	SI4420-D1-FT	TSSOP-16	FSK	256	315, 433, 868, 915	2dBm	3dBm	2.2 - 5.4	3	3.36	3.14	2.86
634-SI4421-A1-FT	SI4421-A1-FT	TSSOP-16	FSK	115	315, 433, 868, 915	7dBm	5dBm	2.2 - 3.8	0.6	3.61	3.37	3.17

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				FSK/GFSK	OOK					1	25	100
Transmitter ICs												
634-SI4030-B1-FM	SI4030-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	900 - 960	-8 to +13	1.8 - 3.6	27	2.40	2.24	2.05
634-SI4031-B1-FM	SI4031-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-8 to +13	1.8 - 3.6	27	2.12	1.98	1.81
634-SI4032-B1-FM	SI4032-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	+11 to +20	1.8 - 3.6	27	2.50	2.34	2.13
634-SI4330-B1-FM	SI4330-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-	1.8 - 3.6	18.5	3.00	2.80	2.55
Transceiver ICs												
634-SI4430-B1-FM	SI4430-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	900 - 960	-8 to +13	1.8 - 3.6	18.5/27	4.47	4.18	3.81
634-SI4431-B1-FM	SI4431-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-8 to +13	1.8 - 3.6	18.5/27	3.71	3.47	3.16
634-SI4432-B1-FM	SI4432-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-11 to +20	1.8 - 3.6	18.5/27	4.17	3.90	3.56

HIGH PERFORMANCE AM/FM RADIO RECEIVERS



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MOUSER STOCK NO.	Silicon Labs Part No.	Package	Supply Voltage (V)	Supply Current		FM Band Support (MHz)	AM Band Support (kHz)	SW Band Support (MHz)	Interface	Powerdown Current (µA)	Price Each		
				FM Mode (mA)	AM/SW Mode (mA)						1	25	100
634-SI4770-A20-GM	SI4770-A20-GM	QFN-40	-0.5-5.9	79	81	64-108	520-1710	-----	I2C	420	8.42	7.02	6.48
634-SI4777-A20-GM	SI4777-A20-GM	QFN-40	-0.5-5.9	79	81	64-108	520-1710	-----	I2C	420	10.10	8.42	7.77
634-SI4840-A10-GU	SI4840-A10-GU	SSOP-24	2.0-3.6	21	17	64-109	504-1750	-----	I2C	10.10	12.48	12.11	11.88
634-SI4844-A10-GU	SI4844-A10-GU	SSOP-24	2.0-3.6	21	17	64-109	504-1750	2.3-28.5	I2C	10.10	13.61	13.21	12.96
Demonstration Boards											Price Each		
634-4770Module-A-EVB	SI4770Module-A-EVB	Si4770 Module Evaluation Kit									125.00		
634-SI4770-A-EVB	SI4770-A-EVB	Si477x Evaluation Kit									584.59		
634-SI4844-DEMO	SI4844-DEMO	Consumer Electronics AM/FM/SW EVB									50.00		

SI100X/1X SINGLE CHIP WIRELESS MCU

The Si100x/1x family is the lowest power single chip MCU with integrated sub-GHz RF transceiver. It has been designed to address the specific requirements of low power embedded systems requiring a RF bi-directional communication link such as metering, in-home utility monitoring, wireless security panels, wireless sensors, home & building automation, and access control.

Specifications:

- Peak MIPS: 25
- Timers (16-bit): 4
- Communications: I2C, SPI, UART
- QFN-42 Package Style

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MOUSER STOCK NO.	Silicon Labs Part No.	Flash (bytes)	RAM (bytes)	Digital Port I/O Pins	ADC 1	+1/+20 dBm TX Current (mA)	+13 dBm TX Current (mA)	Price Each		
								1	25	100
634-SI1000-C-GM	SI1000-C-GM	64	4352	22	10-bit, 18-ch, 300 kbps	35/85	-	10.21	9.21	8.05
634-SI1001-C-GM	SI1001-C-GM	32	4352	22	10-bit, 18-ch, 300 kbps	35/85	-	9.68	8.73	7.63
634-SI1002-C-GM	SI1002-C-GM	64	4352	22	10-bit, 18-ch, 300 kbps	-	30	9.63	8.69	7.59
634-SI1003-C-GM	SI1003-C-GM	32	4352	22	10-bit, 18-ch, 300 kbps	-	30	9.10	8.21	7.18
634-SI1004-C-GM	SI1004-C-GM	64	4352	19	10-bit, 15-ch, 300 kbps	-	30	9.78	8.83	7.72
634-SI1005-C-GM	SI1005-C-GM	32	4352	19	10-bit, 15-ch, 300 kbps	-	30	9.21	8.31	7.26
634-SI1010-A-GM	SI1010-A-GM	16	768	15	12-bit, 11-ch, 75 kbps	35/85	-	8.38	7.56	6.60
634-SI1011-A-GM	SI1011-A-GM	8	768	15	12-bit, 11-ch, 75 kbps	35/85	-	7.91	7.14	6.24
634-SI1012-A-GM	SI1012-A-GM	16	768	15	12-bit, 11-ch, 75 kbps	-	30	5.21	4.86	3.84
634-SI1013-A-GM	SI1013-A-GM	8	768	15	12-bit, 11-ch, 75 kbps	-	30	5.10	4.77	3.76
634-SI1014-A-GM	SI1014-A-GM	16	768	15	12-bit, 11-ch, 75 kbps	-	30	8.02	7.24	6.32
634-SI1015-A-GM	SI1015-A-GM	8	768	15	12-bit, 11-ch, 75 kbps	-	30	5.15	4.81	3.80

SI102X/3X ULTRA LOW POWER WIRELESS MCUS



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MOUSER STOCK NO.	Silicon Labs Part No.	Flash (bytes)	RAM (bytes)	Digital Port I/O Pins	Interfaces			Analog Peripherals					Price Each			
					UART	I2C	SPI	Timers	PCA ch.	ADC	Temp Sensor	VREF	Comparators	1	25	100
634-SI1020-A-GM	SI1020-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	8.56	8.00	6.32
634-SI1021-A-GM	SI1021-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	7.68	7.18	5.67
634-SI1022-A-GM	SI1022-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	7.28	6.80	5.37
634-SI1023-A-GM	SI1023-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	6.85	6.40	5.07
634-SI1024-A-GM	SI1024-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	8.31	7.77	6.14
634-SI1025-A-GM	SI1025-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	7.43	6.95	5.49
634-SI1026-A-GM	SI1026-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	7.03	6.57	5.19
634-SI1027-A-GM	SI1027-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	6.63	6.19	4.89
634-SI1030-A-GM	SI1030-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	8.31	7.77	6.14
634-SI1031-A-GM	SI1031-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	7.43	6.95	5.49
634-SI1032-A-GM	SI1032-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	7.03	6.57	5.19
634-SI1033-A-GM	SI1033-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	6.63	6.19	4.89
634-SI1034-A-GM	SI1034-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	8.08	7.55	5.96
634-SI1035-A-GM	SI1035-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	7.19	6.72	5.31
634-SI1036-A-GM	SI1036-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	6.78	6.34	5.01
634-SI1037-A-GM	SI1037-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	6.38	5.96	4.71