

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		
						868 MHz	434 MHz			1	25	100
Transmitter ICs												
634-SI4020-I1-FT	SI4020-I1-FT	TSSOP-16	FSK, OOK	256,256	315, 433, 868, 915	1 dBm	3 dBm	2.2-5.4	1.5	2.01	1.88	1.81
634-SI4021-A1-FT	SI4021-A1-FT	TSSOP-16	FSK, OOK	115,512	433, 868, 915	6 dBm	8 dBm	2.2-5.4	1.5	1.73	1.63	1.58
Receiver ICs												
634-SI4311-B10-GM	SI4311-B10-GM	QFN-20	FSK	10	315, 434	-	-	2.7-3.6	-	2.54	2.29	2.26
634-SI4312-B10-GM	SI4312-B10-GM	QFN-20	OOK	10	315, 434	-	-	2.7-3.6	-	2.54	2.29	2.26
634-SI4313-B1-FM	SI4313-B1-FM	QFN-20	FSK, OOK	256, 40	315, 434, 868, 915	-	-	1.8-3.6	-	2.53	2.38	2.32
634-SI4320-J1-FT	SI4320-J1-FT	TSSOP-16	FSK, OOK	256, 1	315, 433, 868, 915	-	-	2.2-5.4	3	2.53	2.38	2.29
634-SI4322-A0-FT	SI4322-A0-FT	TSSOP-16	FSK	256	433, 868, 915	-	-	2.2-3.8	0.5	3.15	2.83	2.24
Transceiver ICs												
634-SI4420-D1-FT	SI4420-D1-FT	TSSOP-16	FSK	256	315, 433, 868, 915	2 dBm	3 dBm	2.2-5.4	3	3.26	3.07	2.94
634-SI4421-A1-FT	SI4421-A1-FT	TSSOP-16	FSK	115	315, 433, 868, 915	7 dBm	5 dBm	2.2-3.8	0.6	5.03	3.97	2.94

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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	2.90	2.62	2.30
634-SI4031-B1-FM	SI4031-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-8 to +13	1.8 - 3.6	27	2.56	2.31	2.10
634-SI4032-B1-FM	SI4032-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	+11 to +20	1.8 - 3.6	27	3.03	2.73	2.30
Receiver ICs												
634-SI4330-B1-FM	SI4330-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-	1.8 - 3.6	18.5	2.91	2.73	2.65
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	5.41	4.88	4.30
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	4.50	4.06	3.67
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	5.05	4.55	3.88

DIGITAL DISPLAY AM/FM/SW 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-SI4840-A10-GU	SI4840-A10-GU	SSOP-24	2.0-3.6	21	17	64-109	504-1750	-----	I2C	10.10	3.08	2.86	2.71
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	3.50	2.86	2.71
Demonstration Boards													
634-SI4844-DEMO	SI4844-DEMO	Designed to demonstrate the capabilities of the SI4840/44 chip which integrates everything from antenna output to audio input and allows the use of common and economical potentiometers to do the frequency tuning. It provides a complete analog tune digital display AM/FM/SW radio design.									37.50		

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	+11/+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, 75kspcs	35/85	-	8.38	7.56	6.60
634-SI1011-A-GM	SI1011-A-GM	8	768	15	12-bit, 11-ch, 75kspcs	35/85	-	7.91	7.14	6.24
634-SI1012-A-GM	SI1012-A-GM	16	768	15	12-bit, 11-ch, 75kspcs	-	30	7.87	7.10	6.21
634-SI1013-A-GM	SI1013-A-GM	8	768	15	12-bit, 11-ch, 75kspcs	-	30	7.45	6.72	5.86
634-SI1014-A-GM	SI1014-A-GM	16	768	15	12-bit, 11-ch, 75kspcs	-	30	8.02	7.24	6.32
634-SI1015-A-GM	SI1015-A-GM	8	768	15	12-bit, 11-ch, 75kspcs	-	30	7.57	6.83	5.97

DEVELOPMENT TOOLS AND TEST CARDS

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each	MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-4010-DASKF434	4010-DASKF_434	SI4010 Key FOB Demo w/LED Rx	24.99	634-4322-DKDB1	4322-DKDB1	Test Board 50 Ohm Rx (915/868MHz)	40.00
634-4010-DAAKF434	4010-DAAKF_434	SI4010 AES KeyFOB Demo w/LCD Rx	49.99	634-4420-DKDB1	4420-DKDB1	Test Board 50 Ohm TRx (915MHz)	40.00
634-4010-DKKF434	4010-DKKF_434	SI4010 Wireless Automated Dev Kit	150.00	634-4420-DKDB2	4420-DKDB2	Test Board 50 Ohm TRx (434MHz)	40.00
634-4311-DK1	4311-DK1	SI4311 Demo Board	24.99	634-4421-DKDB2	4421-DKDB2	Test Board 50 Ohm TRx (434MHz)	40.00
634-4312-DK1	4312-DK1	SI4312 Demo Board	24.99	634-SI1000DK	SI1000DK	SI100x Programmable XCVR Development Kit	99.00
634-4313-T-B1BANY	4313-T-B1_B_ANY	Test Board 50 Ohm Rx (240-960MHz)	50.00	634-SI1010DK	SI1010DK	SI101x Programmable XCVR Development Kit	99.00
634-4021-DKDB10	4021-DKDB10	Test Board loop Tx (915/868MHz)	26.00	634-EZLC4431B1-D434	EZLC4431B1-D434	EZLink™ Fast Prototype Kit - SI4431 434MHz	240.00
634-4021-DKDB11	4021-DKDB11	Test Board loop Tx (434MHz)	26.00	634-EZLC4431B1-D868	EZLC4431B1-D868	EZLink™ Fast Prototype Kit - SI4431 868MHz	240.00
634-4021-DKDB13	4021-DKDB13	Test Board 50 Ohm Tx (915/868MHz)	40.00	634-EZLC4432B1-D470	EZLC4432B1-D470	EZLink™ Fast Prototype Kit - SI4432 470MHz	240.00
634-4021-DKDB14	4021-DKDB14	Test Board 50 Ohm Tx (434MHz)	33.00	634-1000-TCB1C915	1000-TCB1C915	Test Card S Switch Ant.for SI1000-C-GM 915 MHz	70.00
634-4021-DKDB2	4021-DKDB2	Test Board BIFA Tx (915MHz)	24.00	634-1000-TCB1C470	1000-TCB1C470	Test Card S Switch Ant.for SI1000-C-GM 470 MHz	70.00
634-4021-DKDB3	4021-DKDB3	Test Board BIFA Tx (868MHz)	24.00	634-1002-TCB1D868	1002-TCB1D868	Test Card Tied Antenna for SI1002 868 MHz	70.00
634-4021-DKDB7	4021-DKDB7	Test Board xloop Tx (915/868MHz)	26.00	634-1002-TCB1D434	1002-TCB1D434	Test Card Tied Antenna for SI1002 434 MHz	70.00
634-4022-DKDB13	4022-DKDB13	Test Board 50 Ohm Tx (915/868MHz)	23.00	634-1004-TCB1D868	1004-TCB1D868	Test Card Tied Antenna for SI1004 868 MHz	70.00
634-4320-DKDB1	4320-DKDB1	Test Board 50 Ohm Rx (915/868MHz)	51.00	634-1004-TCB1D434	1004-TCB1D434	Test Card Tied Antenna for SI1004 434 MHz	70.00
634-4320-DKDB10	4320-DKDB10	Test Board xloop Rx (434MHz)	33.00	634-1010-TAB1C915	1010-TAB1C915	Test Card S Switch Antenna for SI1010 915 MHz	70.00
634-4320-DKDB4	4320-DKDB4	Test Board BIFA Rx (915MHz)	21.00	634-1010-TAB1C470	1010-TAB1C470	Test Card S Switch Antenna for SI1010 470 MHz	70.00
634-4320-DKDB5	4320-DKDB5	Test Board BIFA Rx (868MHz)	21.00	634-1012-TAB1D868	1012-TAB1D868	Test Card Tied Antenna for SI1012 868 MHz	70.00
634-4320-DKDB8	4320-DKDB8	Test Board xloop Rx (915MHz)	26.00	634-1012-TAB1D434	1012-TAB1D434	Test Card Tied Antenna for SI1012 434 MHz	70.00
634-4320-DKDB9	4320-DKDB9	Test Board xloop Rx (868MHz)	26.00	634-1014-TAB1D868	1014-TAB1D868	Test Card Tied Antenna for SI1014 868 MHz	70.00
				634-1014-TAB1D434	1014-TAB1D434	Test Card Tied Antenna for SI1014 434 MHz	70.00