

# SILICON LABS Clocks, Sensors and Drivers



Products may be RoHS compliant. Check mouser.com for RoHS status.

## CLOCK GENERATORS

**NEW!**  
**TECHNOLOGY**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Clock		Input Frequency	Output Frequency	RMS Phase Jitter	Price Each			
			Inputs	Outputs				1	25	100	
634-SL28EB742ALI	SL28EB742ALI	QFN-56	1	16	14.318MHz	83.33/166MHz	-----	6.50	5.50	5.09	
634-SL28EB742ALC	SL28EB742ALC	QFN-56	1	16	14.318MHz	83.33/166MHz	-----	5.50	5.09	4.23	
634-SI5351A-A-GM	SI5351A-A-GM	QFN-20	1	8	25/27MHz	8KHz-125MHz	3.5ps rms	5.17	4.52	3.87	
634-SI5351A-A-GU	SI5351A-A-GU	QSOP-24	1	8	25/27MHz	8KHz-125MHz	3.5ps rms	5.17	4.52	3.87	
Development Tools								Price Each			
634-SI535X24QSOP-EVB	SI535x-24QSOP-EVB	Development Tool for SI5350/51 using QSOP-24 package					157.00				
634-SI535X-20QFN-EVB	SI535x-20QFN-EVB	Development Tool for SI5350/51 using QFN-20 package					157.00				
634-SI5XX-PROG-EVB	SI5xx-PROG-EVB	Evaluation kit contains the hardware and software needed for evaluation of the Any-Frequency I2C Programmable XO/CXO								125.00	

## PCI EXPRESS® CLOCK GENERATORS (PCIe)

**NEW!**  
**TECHNOLOGY**

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MOUSER STOCK NO.	Silicon Labs Part No.	Package	Clock		Input Frequency	Output Frequency	RMS Phase Jitter	Price Each			
			Inputs	Outputs				1	25	100	
634-SI52142A01A-GM	SI52142A01A-GM	QFN-24	1	2	25MHz	100MHz, 25MHz	1ps rms	1.77	1.56	1.54	
634-SI52143-A01AGM	SI52143-A01AGM	QFN-24	1	5	200MHz	100MHz, 25MHz	1ps rms	3.44	2.97	2.64	
634-SI52144A01A-GM	SI52144A01A-GM	QFN-24	1	4	25MHz	25MHz	1ps rms	3.15	2.92	2.70	
634-SI52146A01A-GM	SI52146A01A-GM	QFN-32	1	6	25MHz	25MHz	1ps rms	5.50	5.10	3.77	
634-SI52147A01A-GM	SI52147A01A-GM	QFN-48	1	9	25MHz	25MHz	1ps rms	8.00	6.12	4.50	
634-SI53152A01A-GM	SI53152A01A-GM	QFN-24	1	3	25MHz	25MHz	1ps rms	3.10	2.39	1.69	
634-SI53154A01A-GM	SI53154A01A-GM	QFN-24	1	4	25MHz	25MHz	1ps rms	11.00	6.21	5.75	
634-SI53156A01A-GM	SI53156A01A-GM	QFN-32	1	6	25MHz	25MHz	1ps rms	3.28	3.04	2.82	
634-SI53159A01A-GM	SI53159A01A-GM	QFN-48	1	9	25MHz	25MHz	1ps rms	5.50	5.10	3.77	
PCI Express® Development Tools								Price Each			
634-SI53159-EVB	SI53159-EVB	Evaluation Board for SI52159 using QFN-48					175.00				
634-SI53154-EVB	SI53154-EVB	Evaluation Board for SI52154 using QFN-24					125.00				
634-SI52147-EVB	SI52147-EVB	Evaluation Board for SI52147 using QFN-48					175.00				
634-SI52144-EVB	SI52144-EVB	Evaluation Board for SI52144 using QFN-24					125.00				

## JITTER ATTENUATING CLOCKS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Output Clock Frequency Range (MHz)	Control	Clock Inputs/Outputs	Input Freq. (MHz)	Output Freq. (MHz)	Jitter (12kHz-20MHz)	Price Each			
									1	25	100	1000
634-SI5317A-C-GM	SI5317A-C-GM	QFN-36	1-710	Pin	1/2	1 to 710	1 to 710	300fs ms (typ)	16.05	15.00	12.63	12.20
634-SI5317B-C-GM	SI5317B-C-GM	QFN-36	1-350	Pin	1/2	1 to 710	1 to 710	300fs ms (typ)	13.42	12.54	11.01	10.20
634-SI5317C-C-GM	SI5317C-C-GM	QFN-36	1-200	Pin	1/2	1 to 710	1 to 710	300fs ms (typ)	11.22	10.49	9.66	8.53
634-SI5317D-C-GM	SI5317D-C-GM	QFN-36	1-100	Pin	1/2	1 to 710	1 to 710	300fs ms (typ)	9.47	8.85	8.58	7.20
Evaluation Kits								Price Each				
634-SI5317-EVB	SI5317-EVB	Evaluation Board for SI5317 Series Jitter Attenuating Clocks						125.00				

## 4-PLL PRECISION CLOCK MULTIPLIER/JITTER ATTENUATORS

**NEW**  
**PRODUCT**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Reference Inputs	Clock Outputs	Control	VDD (V)	Freq. (Max.) (MHz)		Output Format	Price Each			
							Inputs	Outputs		1	25	100	1000
634-SI5375B-A-GL	SI5375B-A-GL	BGA-80	4	4	I2C	1.8, 2.5	710	808	CMOS, LVDS, LVPECL, CML	70.17	65.57	54.00	53.33
634-SI5374B-A-GL	SI5374B-A-GL	BGA-80	8	8	I2C	1.8, 2.5	710	808	CMOS, LVDS, LVPECL, CML	91.22	85.24	70.20	69.33
Evaluation Kits								Price Each					
634-SI5374-EVB	SI5374-EVB	Evaluation Board for SI5374B Any Frequency Precision Clock Multiplier/Jitter Attenuators						375.00					
634-SI5375-EVB	SI5375-EVB	Evaluation Board for SI5375B Any Frequency Precision Clock Multiplier/Jitter Attenuators						375.00					

## RF SYNTHESIZERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Description	RF1 (MHz)	RF2 (MHz)	IF (MHz)	Setting Time (µs)	Input RF (MHz)	Price Each		
									1	25	100
634-SI4112-D-GM	SI4112-D-GM	MLP-28	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	6.68	6.48	6.36
634-SI4112-D-GT	SI4112-D-GT	TSSOP-24	General Purpose	n/a	n/a	62.5 to 1000	200	2 to 26	6.68	6.48	6.36
634-SI4113-D-GM	SI4113-D-GM	MLP-28	General Purpose	900 to 2050	750 to 1500MHz	n/a	200	2 to 26	9.90	9.61	9.42
634-SI4113-D-GT	SI4113-D-GT	TSSOP-24	General Purpose	900 to 2050	750 to 1500MHz	n/a	200	2 to 26	9.90	9.61	9.42
634-SI4122-D-GT	SI4122-D-GT	MLP-28	General Purpose	n/a	750 to 1500MHz	62.5 to 1000	200	2 to 26	9.90	9.61	9.42
634-SI4123-D-GT	SI4123-D-GT	TSSOP-24	General Purpose	900 to 2050	n/a	62.5 to 1000	200	2 to 26	9.90	9.61	9.42
634-SI4123-D-GM	SI4123-D-GM	MLP-28	GSM/GPRS	900 to 1800	n/a	500 to 1000	140	2 to 26	9.90	9.61	9.42
634-SI4133-D-GM	SI4133-D-GM	MLP-28	General Purpose	900 to 2050	750 to 1500MHz	62.5 to 1000	200	2 to 26	12.35	11.99	11.76
634-SI4133-D-GT	SI4133-D-GT	TSSOP-24	General Purpose	900 to 2050	750 to 1500MHz	62.5 to 1000	200	2 to 26	12.35	11.99	11.76
634-SI4136-F-GM	SI4136-F-GM	MLP-28	802.11b,g and ISM Band	2300 to 2500	2025 to 2300MHz	62.5 to 1000	80	2 to 40	12.35	11.99	11.76
634-SI4136-F-GT	SI4136-F-GT	TSSOP-24	802.11b and ISM Band	2300 to 2500	2025 to 2300MHz	62.5 to 1000	80	2 to 50	12.35	11.99	11.76
Evaluation Boards								Price Each			
634-SI4126M-EVB	SI4126M-EVB	802.11b and ISM Band		n/a		2025 to 2300	80	2 to 50	225.00		
634-SI4133M-EVB	SI4133M-EVB	General Purpose		900 to 2050		750 to 1500	200	2 to 26	225.00		

## QUICKSENSE™ INFRARED PROXIMITY SENSORS

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**PRODUCT**

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Infrared Range (cm)	Ambient Light Sensor	Output Type	Price Each			
						1	25	100	1000
634-SI1102A-GMR	SI1102A-GMR	ODFN-8	40	No	Logic 0/1	3.89	3.63	3.04	2.96
Evaluation Kits						Price Each			
634-HID-USB-TO-IR-RD	HID-USB-to-IR-RD	HID USB to IR - Si1143 Quicksense™ to CP2112 USB Reference Kit				20.00			
634-SI1102EK	SI1102EK	QuickSense™ Si1102 Mini-Proximity Sensing Demonstration Board				39.99			
634-SI1120EK	SI1120EK	QuickSense™ Si1120 Evaluation Kit				199.99			
634-IRSLIDEREK	IRSLIDEREK	QuickSense™ Si1120 Touchless Slider Evaluation Kit				49.99			
634-KEYMATEK	KEYMATEK	QuickSense™ ITO Capacitive Film Evaluation Kit				79.99			

## AUDIO DRIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Input Type	Outputs	UVLO Voltage (V)	Isolation Rating (kVrms)	Peak Output (A)	Output Sink Resistance (Ω)	Output Source Resistance (Ω)	Price Each		
										1	25	100
634-SI8241BB-B-IS1	SI8241BB-B-IS1	SOIC-16	PWM	High Side/Low Side	8	2.5	0.5	5	15	3.56	3.32	2.78
634-SI8241CB-B-IS1	SI8241CB-B-IS1	SOIC-16	PWM	High Side/Low Side	10	2.5	0.5	5	15	3.56	3.32	2.78
634-SI8244BB-C-IS1	SI8244BB-C-IS1	SOIC-16	PWM	High Side/Low Side	8	2.5	4	1	2.7	3.94	3.68	3.24
634-SI8244CB-C-IS1	SI8244CB-C-IS1	SOIC-16	PWM	High Side/Low Side	10	2.5	4	1	2.7	3.94	3.68	3.24
Demonstration Kit										Price Each		
634-SI824XCLASSD-KIT	SI824xClassD-KIT	Reference Design for the SI824x Series Class D Audio Amplifiers Drivers								282.00		