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We make it easy for you to create the next generation of devices that push the limits of possibility. With unmatched simplicity, performance and reliability, we help you get to market faster with the tools and support you need to maintain your competitive edge.

Internet of Things

Leading providers of IoT devices rely on our portfolio of low power, connected solutions to deliver products that change lives and transform industries.

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8

8-bit Microcontrollers

Fastest and lowest-power 8-bit MCUs in the industry.

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EFM8™ Busy Bee

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	SPI	VREF	COMP.	PACKAGE
EFM8BB10F2G-A-QFN20	2 kB	25	0.25	16	4	3	±2%	12-bit, 15-ch.	1	1	✓	1	✓	2	QFN20
EFM8BB10F4G-A-QFN20	4 kB	25	0.5	16	4	3	±2%	12-bit, 15-ch.	1	1	✓	1	✓	2	QFN20
EFM8BB10F8G-A-QFN20	8 kB	25	0.5	16	4	3	±2%	12-bit, 15-ch.	1	1	✓	1	✓	2	QFN20
EFM8BB10F8G-A-QSOP24	8 kB	25	0.5	18	4	3	±2%	12-bit, 16-ch.	1	1	✓	1	✓	2	QSOP24
EFM8BB10F8G-A-SOIC16	8 kB	25	0.5	13	4	3	±2%	12-bit, 12-ch.	1	1	✓	1	✓	2	SOIC16
EFM8BB21F16G-B-QFN20	16 kB	50	2	16	5	3	±2%	12-bit, 15-ch.	2	1	✓	1	✓	2	QFN20
EFM8BB21F16G-C-QSOP24	16 kB	50	2	21	5	3	±2%	12-bit, 20-ch.	2	1	✓	1	✓	2	QSOP24
EFM8BB22F16G-C-QFN28	16 kB	50	2	22	5	3	±2%	12-bit, 20-ch.	2	1	✓	1	✓	2	QFN28

EFM8 Sleepy Bee

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATION	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	CAP SENSE	SPI	VREF	COMP.	PACKAGE
EFM8SB10F2G-A-QFN20	2 kB	25	0.25	16	I ² C; SPI; UART	4	3	±2%	12-bit, 9-ch.	1	1	✓	✓	1	✓	1	QFN20
EFM8SB10F4G-A-QFN20	4 kB	25	0.5	16	I ² C; SPI; UART	4	3	±2%	12-bit, 9-ch.	1	1	✓	✓	1	✓	1	QFN20
EFM8SB10F8G-A-QFN20	8 kB	25	0.5	16	I ² C; SPI; UART	4	3	±2%	12-bit, 9-ch.	1	1	✓	✓	1	✓	1	QFN20
EFM8SB10F8G-A-QFN24	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	12-bit, 10-ch.	1	1	✓	✓	1	✓	1	QFN24
EFM8SB10F8G-A-QSOP24	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	12-bit, 10-ch.	1	1	✓	✓	1	✓	1	QSOP24
EFM8SB10F8G-CSP16	8 kB	25	0.5	13	I ² C; SPI; UART	4	3	±2%	12-bit, 9ch.	1	1	✓	✓	1	✓	1	CSP16
EFM8SB20F16G-A-QFN24	16 kB	25	4	16	I ² C; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch.	1	1	✓	—	2	✓	2	QFN24
EFM8SB20F32G-A-QFN24	32 kB	25	4	16	I ² C; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch.	1	1	✓	—	2	✓	2	QFN24
EFM8SB20F32G-A-QFN32	32 kB	25	4	24	EMIF; I ² C; 2 x SPI; UART	4	6	±2%	10-bit, 23-ch.	1	1	✓	—	2	✓	2	QFN32
EFM8SB20F32G-A-QFP32	32 kB	25	4	24	EMIF; I ² C; 2 x SPI; UART	4	6	±2%	10-bit, 23-ch.	1	1	✓	—	2	✓	2	QFP32
EFM8SB20F64G-A-QFN24	64 kB	25	4	16	I ² C; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch.	1	1	✓	—	2	✓	2	QFN24
EFM8SB20F64G-A-QFN32	64 kB	25	4	24	EMIF; I ² C; 2 x SPI; UART	4	6	±2%	10-bit, 23-ch.	1	1	✓	—	2	✓	2	QFN32
EFM8SB20F64G-A-QFP32	64 kB	25	4	24	EMIF; I ² C; 2 x SPI; UART	4	6	±2%	10-bit, 23-ch.	1	1	✓	—	2	✓	2	QFP32

EFM8 Universal Bee

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	SPI	5V REGULATOR	COMP.	PACKAGE
EFM8UB10F16G-C-QFN20	16 kB	48	2	13	HS I ² C Slave; I ² C; SPI; 2 x UART; USB	5	3	±1.5%	12-bit, 11-ch.	2	2	✓	1	✓	2	QFN20
EFM8UB10F16G-C-QFN28	16 kB	48	2	22	HS I ² C Slave; I ² C; SPI; 2 x UART; USB	5	3	±1.5%	12-bit, 20-ch.	2	2	✓	1	✓	2	QFN28
EFM8UB10F8G-C-QFN20	8 kB	48	2	13	HS I ² C Slave; I ² C; SPI; 2 x UART; USB	5	3	±1.5%	12-bit, 11-ch.	2	2	✓	1	✓	2	QFN20
EFM8UB11F16G-C-QSOP24	16 kB	48	2	17	HS I ² C Slave; I ² C; SPI; 2 x UART; USB	5	3	±1.5%	12-bit, 15-ch.	2	2	✓	1	✓	2	QSOP24
EFM8UB20F32G-A-QFN32	32 kB	48	2	25	2 x I ² C; SPI; 2 x UART; USB	6	5	±1.5%	10-bit, 20-ch.	2	2	✓	1	✓	2	QFN32
EFM8UB20F32G-A-QFP32	32 kB	48	2	25	2 x I ² C; SPI; 2 x UART; USB	6	5	±1.5%	10-bit, 20-ch.	2	2	✓	1	✓	2	QFP32
EFM8UB20F32G-A-QFP48	32 kB	48	2	40	EMIF; 2 x I ² C; SPI; 2 x UART; USB	6	5	±1.5%	10-bit, 32-ch.	2	2	✓	1	✓	2	QFP48
EFM8UB20F64G-A-QFN32	64 kB	48	4	25	2 x I ² C; SPI; 2 x UART; USB	6	5	±1.5%	10-bit, 20-ch.	2	2	✓	1	✓	2	QFN32
EFM8UB20F64G-A-QFP32	64 kB	48	4	25	2 x I ² C; SPI; 2 x UART; USB	6	5	±1.5%	10-bit, 20-ch.	2	2	✓	1	✓	2	QFP32
EFM8UB20F64G-A-QFP48	64 kB	48	4	40	EMIF; 2 x I ² C; SPI; 2 x UART; USB	6	5	±1.5%	10-bit, 32-ch.	2	2	✓	1	✓	2	QFP48

Analog Intensive MCUs

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	DAC	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F000	32 kB	20	0.25	32	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F001	32 kB	20	0.25	16	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP48
C8051F002	32 kB	20	0.25	8	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	1	QFP32
C8051F005	32 kB	25	2.25	32	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F006	32 kB	25	2.25	16	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP48
C8051F007	32 kB	25	2.25	8	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	1	QFP32
C8051F010	32 kB	20	0.25	32	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F011	32 kB	20	0.25	16	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP48
C8051F012	32 kB	20	0.25	8	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	1	QFP32
C8051F015	32 kB	25	2.25	32	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F016	32 kB	25	2.25	16	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP48
C8051F017	32 kB	25	2.25	8	I ² C; SPI; UART	4	5	±20%	—	1	1	12-bit, 2-ch.	✓	✓	1	QFP32
C8051F018	16 kB	25	1.25	32	I ² C; SPI; UART	4	5	±20%	—	1	1	—	✓	✓	2	QFP64
C8051F019	16 kB	25	1.25	16	I ² C; SPI; UART	4	5	±20%	—	2	1	—	✓	✓	2	QFP48
C8051F020	64 kB	25	4.25	64	EMIF; I ² C; SPI; UART; 2 x UART	5	5	±20%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP100
C8051F021	64 kB	25	4.25	32	EMIF; I ² C; SPI; UART; 2 x UART	5	5	±20%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F022	64 kB	25	4.25	64	EMIF; I ² C; SPI; UART; 2 x UART	5	5	±20%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP100
C8051F023	64 kB	25	4.25	32	EMIF; I ² C; SPI; UART; 2 x UART	5	5	±20%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F040	64 kB	25	4.25	64	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	3	QFP100
C8051F041	64 kB	25	4.25	32	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	3	QFP64
C8051F042	64 kB	25	4.25	64	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	3	QFP100
C8051F043	64 kB	25	4.25	32	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	3	QFP64
C8051F044	64 kB	25	4.25	64	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	—	2	1	—	✓	✓	3	QFP100
C8051F045	64 kB	25	4.25	32	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	—	2	1	—	✓	✓	3	QFP64
C8051F046	32 kB	25	4.25	64	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	—	2	1	—	✓	✓	3	QFP100
C8051F047	32 kB	25	4.25	32	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	—	2	1	—	✓	✓	3	QFP64
C8051F060	64 kB	25	4.25	59	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	16-bit, 1-ch., 1 Msps	2	1	12-bit, 2-ch.	✓	✓	3	QFP100
C8051F061	64 kB	25	4.25	24	CAN; I ² C; SPI; UART; 2 x UART	5	6	±2%	16-bit, 1-ch., 1 Msps	2	1	12-bit, 2-ch.	✓	✓	3	QFP64
C8051F062	64 kB	25	4.25	59	CAN; EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	16-bit, 1-ch., 1 Msps	2	1	12-bit, 2-ch.	✓	✓	3	QFP100
C8051F063	64 kB	25	4.25	24	CAN; I ² C; SPI; UART; 2 x UART	5	6	±2%	16-bit, 1-ch., 1 Msps	2	1	12-bit, 2-ch.	✓	✓	3	QFP64
C8051F064	64 kB	25	4.25	59	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	16-bit, 1-ch., 1 Msps	2	1	—	—	✓	3	QFP100
C8051F065	64 kB	25	4.25	24	I ² C; SPI; UART; 2 x UART	5	6	±2%	16-bit, 1-ch., 1 Msps	2	1	—	—	✓	3	QFP64
C8051F066	32 kB	25	4.25	59	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	16-bit, 1-ch., 1 Msps	2	1	—	—	✓	3	QFP100
C8051F067	32 kB	25	4.25	24	I ² C; SPI; UART; 2 x UART	5	6	±2%	16-bit, 1-ch., 1 Msps	2	1	—	—	✓	3	QFP64
C8051F120	128 kB	100	8	64	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP100
C8051F121	128 kB	100	8	32	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F122	128 kB	100	8	64	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP100
C8051F123	128 kB	100	8	32	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP64

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	DAC	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F124	128 kB	50	8	64	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP100
C8051F125	128 kB	50	8	32	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F126	128 kB	50	8	64	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP100
C8051F127	128 kB	50	8	32	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	8-bit, 8-ch., 500 ksp/s	2	1	12-bit, 2-ch.	✓	✓	2	QFP64
C8051F130	128 kB	100	8	64	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	—	2	1	—	✓	✓	2	QFP100
C8051F131	128 kB	100	8	32	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	—	2	1	—	✓	✓	2	QFP64
C8051F132	64 kB	100	8	64	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	—	2	1	—	✓	✓	2	QFP100
C8051F133	64 kB	100	8	32	EMIF; I ² C; SPI; UART; 2 x UART	5	6	±2%	—	2	1	—	✓	✓	2	QFP64
C8051F350	8 kB	50	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	8-bit, 2-ch.	✓	✓	1	QFP32
C8051F351	8 kB	50	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	8-bit, 2-ch.	✓	✓	1	
C8051F352	8 kB	50	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	8-bit, 2-ch.	✓	✓	1	QFP32
C8051F353	8 kB	50	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	8-bit, 2-ch.	✓	✓	1	
C8051F360	32 kB	100	1.25	39	EMIF; I ² C; SPI; UART	4	6	±2%	—	1	1	10-bit, 1-ch.	✓	✓	2	QFP48
C8051F361	32 kB	100	1.25	29	I ² C; SPI; UART	4	6	±2%	—	1	1	10-bit, 1-ch.	✓	✓	2	QFP32
C8051F362	32 kB	100	1.25	25	I ² C; SPI; UART	4	6	±2%	—	1	1	10-bit, 1-ch.	✓	✓	2	QFN28
C8051F363	32 kB	100	1.25	39	EMIF; I ² C; SPI; UART	4	6	±2%	—	1	1	—	—	—	2	QFP48
C8051F364	32 kB	100	1.25	29	I ² C; SPI; UART	4	6	±2%	—	1	1	—	—	—	2	QFP32
C8051F365	32 kB	100	1.25	25	I ² C; SPI; UART	4	6	±2%	—	1	1	—	—	—	2	QFN28
C8051F366	32 kB	50	1.25	29	I ² C; SPI; UART	4	6	±2%	—	1	1	10-bit, 1-ch.	✓	✓	2	QFP32
C8051F367	32 kB	50	1.25	25	I ² C; SPI; UART	4	6	±2%	—	1	1	10-bit, 1-ch.	✓	✓	2	QFN28
C8051F368	16 kB	50	1.25	29	I ² C; SPI; UART	4	6	±2%	—	1	1	10-bit, 1-ch.	✓	✓	2	QFP32
C8051F369	16 kB	50	1.25	25	I ² C; SPI; UART	4	6	±2%	—	1	1	10-bit, 1-ch.	✓	✓	2	QFN28
C8051F370-A-GM	16 kB	50	1	21	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	10-bit, 2-ch.	✓	✓	2	QFN24
C8051F371-A-GM	16 kB	50	1	21	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	—	—	—	2	QFN24
C8051F374-A-GM	8 kB	50	1	21	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	10-bit, 2-ch.	✓	✓	1	QFN24
C8051F375-A-GM	8 kB	50	1	21	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	—	—	—	1	QFN24
C8051F390-A-GM	16 kB	50	1	21	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	10-bit, 2-ch.	✓	✓	1	QFN24
C8051F391-A-GM	16 kB	50	1	21	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	—	—	—	1	QFN24
C8051F392-A-GM	16 kB	50	1	17	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	10-bit, 2-ch.	✓	✓	1	QFN20
C8051F393-A-GM	16 kB	50	1	17	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	—	—	—	1	QFN20
C8051F394-A-GM	8 kB	50	1	21	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	10-bit, 2-ch.	✓	✓	1	QFN24
C8051F395-A-GM	8 kB	50	1	21	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	—	—	—	1	QFN24
C8051F396-A-GM	8 kB	50	1	17	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	10-bit, 2-ch.	✓	✓	1	QFN20
C8051F397-A-GM	8 kB	50	1	17	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	—	—	—	1	QFN20
C8051F398-A-GM	4 kB	50	1	17	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	10-bit, 2-ch.	✓	✓	1	QFN20
C8051F399-A-GM	4 kB	50	1	17	I ² C; 2 x I ² C; SPI; UART	6	3	±2%	—	1	2	—	—	—	1	QFN20
C8051F410	32 kB	50	2.25	24	I ² C; SPI; UART	4	6	±2%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP32
C8051F411	32 kB	50	2.25	20	I ² C; SPI; UART	4	6	±2%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFN28

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	DAC	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F412	16 kB	50	2.25	24	I ² C; SPI; UART	4	6	±2%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFP32
C8051F413	16 kB	50	2.25	20	I ² C; SPI; UART	4	6	±2%	—	1	1	12-bit, 2-ch.	✓	✓	2	QFN28

Automotive and Industrial Qualified MCUs

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATION	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F500-AM	64 kB	50	4.25	40	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN48
C8051F500-AQ	64 kB	50	4.25	40	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFP48
C8051F500-IM	64 kB	50	4.25	40	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN48
C8051F500-IQ	64 kB	50	4.25	40	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFP48
C8051F501-AM	64 kB	50	4.25	40	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN48
C8051F501-AQ	64 kB	50	4.25	40	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFP48
C8051F501-IM	64 kB	50	4.25	40	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN48
C8051F501-IQ	64 kB	50	4.25	40	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFP48
C8051F502-AM	64 kB	50	4.25	25	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F502-AQ	64 kB	50	4.25	25	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F502-IM	64 kB	50	4.25	25	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F502-IQ	64 kB	50	4.25	25	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F503-AM	64 kB	50	4.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F503-AQ	64 kB	50	4.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F503-IM	64 kB	50	4.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F503-IQ	64 kB	50	4.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F504-AM	32 kB	50	4.25	40	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN48
C8051F504-AQ	32 kB	50	4.25	40	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFP48
C8051F504-IM	32 kB	50	4.25	40	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN48
C8051F504-IQ	32 kB	50	4.25	40	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFP48
C8051F505-AM	32 kB	50	4.25	40	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN48
C8051F505-AQ	32 kB	50	4.25	40	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFP48
C8051F505-IM	32 kB	50	4.25	40	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN48
C8051F505-IQ	32 kB	50	4.25	40	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFP48
C8051F506-AM	32 kB	50	4.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F506-AQ	32 kB	50	4.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F506-IM	32 kB	50	4.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F506-IQ	32 kB	50	4.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F507-AM	32 kB	50	4.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F507-AQ	32 kB	50	4.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F507-IM	32 kB	50	4.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F507-IQ	32 kB	50	4.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F508-AM	64 kB	50	4.25	33	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATION	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F508-IM	64 kB	50	4.25	33	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F509-AM	64 kB	50	4.25	33	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F509-IM	64 kB	50	4.25	33	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F510-AM	32 kB	50	4.25	33	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F510-IM	32 kB	50	4.25	33	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F511-AM	32 kB	50	4.25	33	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F511-IM	32 kB	50	4.25	33	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F520-C-AM	8 kB	25	0.25	6	LIN; SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F520-C-IM	8 kB	25	0.25	6	LIN; SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F521-C-AM	8 kB	25	0.25	6	SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F521-C-IM	8 kB	25	0.25	6	SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F523-C-AM	4 kB	25	0.25	6	LIN; SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F523-C-IM	4 kB	25	0.25	6	LIN; SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F524-C-AM	4 kB	25	0.25	6	SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F524-C-IM	4 kB	25	0.25	6	SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F526-C-AM	2 kB	25	0.25	6	LIN; SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F526-C-IM	2 kB	25	0.25	6	LIN; SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F527-C-AM	2 kB	25	0.25	6	SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F527-C-IM	2 kB	25	0.25	6	SPI; UART	3	3	±0.5%	12-bit, 6-ch., 200 ksps	1	0	✓	✓	1	DFN10
C8051F530-C-AM	8 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F530-C-AT	8 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F530-C-IM	8 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F530-C-IT	8 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F531-C-AM	8 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F531-C-AT	8 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F531-C-IM	8 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F531-C-IT	8 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F533-C-AM	4 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F533-C-AT	4 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F533-C-IM	4 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F533-C-IT	4 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F534-C-AM	4 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F534-C-AT	4 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F534-C-IM	4 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F534-C-IT	4 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F536-C-AM	2 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F536-C-AT	2 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F536-C-IM	2 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATION	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F536-C-IT	2 kB	25	0.25	16	LIN; SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F537-C-AM	2 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F537-C-AT	2 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F537-C-IM	2 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	QFN20
C8051F537-C-IT	2 kB	25	0.25	16	SPI; UART	3	3	±0.5%	12-bit, 16-ch., 200 ksps	1	0	✓	✓	1	TSSOP20
C8051F540-AM	16 kB	50	1.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFN32
C8051F540-AQ	16 kB	50	1.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFP32
C8051F540-IM	16 kB	50	1.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFN32
C8051F540-IQ	16 kB	50	1.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFP32
C8051F541-AM	16 kB	50	1.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFN32
C8051F541-AQ	16 kB	50	1.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFP32
C8051F541-IM	16 kB	50	1.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFN32
C8051F541-IQ	16 kB	50	1.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFP32
C8051F542-AM	16 kB	50	1.25	18	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN24
C8051F542-IM	16 kB	50	1.25	18	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN24
C8051F543-AM	16 kB	50	1.25	18	I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN24
C8051F543-IM	16 kB	50	1.25	18	I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN24
C8051F544-AM	8 kB	50	1.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFN32
C8051F544-AQ	8 kB	50	1.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFP32
C8051F544-IM	8 kB	50	1.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN32
C8051F544-IQ	8 kB	50	1.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFP32
C8051F545-AM	8 kB	50	1.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFN32
C8051F545-AQ	8 kB	50	1.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFP32
C8051F545-IM	8 kB	50	1.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFN32
C8051F545-IQ	8 kB	50	1.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	0	✓	✓	2	QFP32
C8051F546-AM	8 kB	50	1.25	18	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN24
C8051F546-IM	8 kB	50	1.25	18	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN24
C8051F547-AM	8 kB	50	1.25	18	I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN24
C8051F547-IM	8 kB	50	1.25	18	I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	0	✓	✓	2	QFN24
C8051F550-AM	32 kB	50	2.25	18	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F550-IM	32 kB	50	2.25	18	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F551-AM	32 kB	50	2.25	18	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F551-IM	32 kB	50	2.25	18	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F552-AM	32 kB	50	2.25	18	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F552-IM	32 kB	50	2.25	18	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F553-AM	32 kB	50	2.25	18	I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F553-IM	32 kB	50	2.25	18	I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F554-AM	16 kB	50	2.25	18	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATION	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F554-IM	16 kB	50	2.25	18	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F555-AM	16 kB	50	2.25	18	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F555-IM	16 kB	50	2.25	18	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F556-AM	16 kB	50	2.25	18	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F556-IM	16 kB	50	2.25	18	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F557-AM	16 kB	50	2.25	18	I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F557-IM	16 kB	50	2.25	18	I ² C; SPI; UART	4	6	±0.5%	12-bit, 18-ch., 200 ksps	1	1	✓	✓	2	QFN24
C8051F560-AM	32 kB	50	2.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F560-AQ	32 kB	50	2.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F560-IM	32 kB	50	2.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F560-IQ	32 kB	50	2.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F561-AM	32 kB	50	2.25	25	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F561-AQ	32 kB	50	2.25	25	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F561-IM	32 kB	50	2.25	25	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F561-IQ	32 kB	50	2.25	25	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F562-AM	32 kB	50	2.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F562-AQ	32 kB	50	2.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F562-IM	32 kB	50	2.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F562-IQ	32 kB	50	2.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F563-AM	32 kB	50	2.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F563-AQ	32 kB	50	2.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F563-IM	32 kB	50	2.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F563-IQ	32 kB	50	2.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F564-AM	16 kB	50	2.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F564-AQ	16 kB	50	2.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F564-IM	16 kB	50	2.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F564-IQ	16 kB	50	2.25	25	CAN; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F565-AM	16 kB	50	2.25	25	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F565-AQ	16 kB	50	2.25	25	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F565-IM	16 kB	50	2.25	25	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F565-IQ	16 kB	50	2.25	25	CAN; I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F566-AM	16 kB	50	2.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F566-AQ	16 kB	50	2.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F566-IM	16 kB	50	2.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F566-IQ	16 kB	50	2.25	25	I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F567-AM	16 kB	50	2.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32
C8051F567-AQ	16 kB	50	2.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F567-IM	16 kB	50	2.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFN32

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATION	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F567-IQ	16 kB	50	2.25	25	I ² C; SPI; UART	4	6	±0.5%	12-bit, 25-ch., 200 ksps	1	1	✓	✓	2	QFP32
C8051F568-AM	32 kB	50	2.25	33	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F568-IM	32 kB	50	2.25	33	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F569-AM	32 kB	50	2.25	33	CAN; EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F569-IM	32 kB	50	2.25	33	CAN; EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F570-AM	32 kB	50	2.25	33	EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F570-IM	32 kB	50	2.25	33	EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F571-AM	32 kB	50	2.25	33	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F571-IM	32 kB	50	2.25	33	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F572-AM	16 kB	50	2.25	33	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F572-IM	16 kB	50	2.25	33	CAN; EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F573-AM	16 kB	50	2.25	33	CAN; EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F573-IM	16 kB	50	2.25	33	CAN; EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F574-AM	16 kB	50	2.25	33	EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F574-IM	16 kB	50	2.25	33	EMIF; I ² C; LIN; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F575-AM	16 kB	50	2.25	33	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F575-IM	16 kB	50	2.25	33	EMIF; I ² C; SPI; UART	4	6	±0.5%	12-bit, 32-ch., 200 ksps	1	1	✓	✓	2	QFN40
C8051F580-AM	128 kB	50	8	40	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN48
C8051F580-AQ	128 kB	50	8	40	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFP48
C8051F580-IM	128 kB	50	8	40	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN48
C8051F580-IQ	128 kB	50	8	40	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFP48
C8051F581-AM	128 kB	50	8	40	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN48
C8051F581-AQ	128 kB	50	8	40	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFP48
C8051F581-IM	128 kB	50	8	40	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN48
C8051F581-IQ	128 kB	50	8	40	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFP48
C8051F582-AM	128 kB	50	8	25	CAN; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFN32
C8051F582-AQ	128 kB	50	8	25	CAN; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFP32
C8051F582-IM	128 kB	50	8	25	CAN; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFN32
C8051F582-IQ	128 kB	50	8	25	CAN; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFP32
C8051F583-AM	128 kB	50	8	25	I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFN32
C8051F583-AQ	128 kB	50	8	25	I ² C; SPI; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFP32
C8051F583-IM	128 kB	50	8	25	I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFN32
C8051F583-IQ	128 kB	50	8	25	I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFP32
C8051F584-AM	96 kB	50	8	40	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN48
C8051F584-AQ	96 kB	50	8	40	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFP48
C8051F584-IM	96 kB	50	8	40	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN48
C8051F584-IQ	96 kB	50	8	40	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFP48
C8051F585-AM	96 kB	50	8	40	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN48

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATION	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	TEMP SENSOR	VREF	COMP.	PACKAGE
C8051F585-AQ	96 kB	50	8	40	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFP48
C8051F585-IM	96 kB	50	8	40	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN48
C8051F585-IQ	96 kB	50	8	40	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFP48
C8051F586-AM	96 kB	50	8	25	CAN; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFN32
C8051F586-AQ	96 kB	50	8	25	CAN; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFP32
C8051F586-IM	96 kB	50	8	25	CAN; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFN32
C8051F586-IQ	96 kB	50	8	25	CAN; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFP32
C8051F587-AM	96 kB	50	8	25	I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFN32
C8051F587-AQ	96 kB	50	8	25	I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFP32
C8051F587-IM	96 kB	50	8	25	I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFN32
C8051F587-IQ	96 kB	50	8	25	I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 25-ch., 200 ksps	2	1	✓	✓	3	QFP32
C8051F588-AM	128 kB	50	8	33	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN40
C8051F588-IM	128 kB	50	8	33	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN40
C8051F589-AM	128 kB	50	8	33	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN40
C8051F589-IM	128 kB	50	8	33	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN40
C8051F590-AM	96 kB	50	8	33	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN40
C8051F590-IM	96 kB	50	8	33	CAN; EMIF; I ² C; LIN; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN40
C8051F591-AM	96 kB	50	8	33	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN40
C8051F591-IM	96 kB	50	8	33	EMIF; I ² C; SPI; UART; 2 x UART	6	12	±0.5%	12-bit, 32-ch., 200 ksps	2	1	✓	✓	3	QFN40

General Purpose MCUs

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051F206	8 kB	25	1.25	32	SPI; UART	3	—	±20%	12-bit, 32-ch., 100 ksps	1	0	1	—	—	2	QFP48
C8051F220	8 kB	25	0.25	32	SPI; UART	3	—	±20%	8-bit, 32-ch., 100 ksps	1	0	1	—	—	2	QFP48
C8051F221	8 kB	25	0.25	22	SPI; UART	3	—	±20%	8-bit, 22-ch., 100 ksps	1	0	1	—	—	2	QFP32
C8051F226	8 kB	25	1.25	32	SPI; UART	3	—	±20%	8-bit, 32-ch., 100 ksps	1	0	1	—	—	2	QFP48
C8051F230	8 kB	25	0.25	32	SPI; UART	3	—	±20%	—	1	0	1	—	—	2	QFP48
C8051F231	8 kB	25	0.25	22	SPI; UART	3	—	±20%	—	1	0	1	—	—	2	QFP32
C8051F236	8 kB	25	1.25	32	SPI; UART	3	—	±20%	—	1	0	1	—	—	2	QFP48
C8051F300-GM	8 kB	25	0.25	8	I ² C; UART	3	3	±2%	8-bit, 8-ch., 500 ksps	1	1	0	✓	—	1	QFN11
C8051F300-GS	8 kB	25	0.25	8	I ² C; UART	3	3	±2%	8-bit, 8-ch., 500 ksps	1	1	0	✓	—	1	SOIC14
C8051F301-GM	8 kB	25	0.25	8	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	QFN11
C8051F301-GS	8 kB	25	0.25	8	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	SOIC14
C8051F302-GM	8 kB	25	0.25	8	I ² C; UART	3	3	±20%	8-bit, 8-ch., 500 ksps	1	1	0	✓	—	1	QFN11
C8051F302-GS	8 kB	25	0.25	8	I ² C; UART	3	3	±20%	8-bit, 8-ch., 500 ksps	1	1	0	✓	—	1	SOIC14
C8051F303-GM	8 kB	25	0.25	8	I ² C; UART	3	3	±20%	—	1	1	0	—	—	1	QFN11
C8051F303-GS	8 kB	25	0.25	8	I ² C; UART	3	3	±20%	—	1	1	0	—	—	1	SOIC14
C8051F304-GM	4 kB	25	0.25	8	I ² C; UART	3	3	±20%	—	1	1	0	—	—	1	QFN11

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051F304-GS	4 kB	25	0.25	8	I ² C; UART	3	3	±20%	—	1	1	0	—	—	1	SOIC14
C8051F305-GM	2 kB	25	0.25	8	I ² C; UART	3	3	±20%	—	1	1	0	—	—	1	QFN11
C8051F305-GS	2 kB	25	0.25	8	I ² C; UART	3	3	±20%	—	1	1	0	—	—	1	SOIC14
C8051F310	16 kB	25	1.25	29	I ² C; SPI; UART	4	5	±2%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	—	2	QFP32
C8051F311	16 kB	25	1.25	25	I ² C; SPI; UART	4	5	±2%	10-bit, 17-ch., 200 ksp/s	1	1	1	✓	—	2	QFN28
C8051F312	8 kB	25	1.25	29	I ² C; SPI; UART	4	5	±2%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	—	2	QFP32
C8051F313	8 kB	25	1.25	25	I ² C; SPI; UART	4	5	±2%	10-bit, 17-ch., 200 ksp/s	1	1	1	✓	—	2	QFN28
C8051F314	8 kB	25	1.25	29	I ² C; SPI; UART	4	5	±2%	—	1	1	1	—	—	2	QFP32
C8051F315	8 kB	25	1.25	25	I ² C; SPI; UART	4	5	±2%	—	1	1	1	—	—	2	QFN28
C8051F316	16 kB	25	1.25	21	I ² C; SPI; UART	4	5	±2%	10-bit, 13-ch., 200 ksp/s	1	1	1	✓	—	2	QFN24
C8051F317	16 kB	25	1.25	21	I ² C; SPI; UART	4	5	±2%	—	1	1	1	—	—	2	QFN24
C8051F320	16 kB	25	2.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 17-ch., 200 ksp/s	1	1	1	✓	✓	2	QFP32
C8051F321	16 kB	25	2.25	21	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 13-ch., 200 ksp/s	1	1	1	✓	✓	2	QFN28
C8051F326	16 kB	25	1.5	15	UART; USB	2	—	±1.5%	—	1	0	0	—	—	—	QFN28
C8051F327	16 kB	25	1.5	15	UART; USB	2	—	±1.5%	—	1	0	0	—	—	—	QFN28
C8051F330-GM	8 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F330-GP	8 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	1	DIP20
C8051F331	8 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F332	4 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F333	4 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F334	2 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F335	2 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F336	16 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F337	16 kB	25	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F338	16 kB	25	0.75	21	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	1	QFN24
C8051F339	16 kB	25	0.75	21	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN24
C8051F340-GQ	64 kB	50	4.25	40	EMIF; I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 20-ch., 200 ksp/s	2	1	1	✓	✓	2	QFP48
C8051F341-GQ	32 kB	50	2.25	40	EMIF; I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 20-ch., 200 ksp/s	2	1	1	✓	✓	2	QFP48
C8051F342-GM	64 kB	50	4.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	✓	2	QFN32
C8051F342-GQ	64 kB	50	4.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	✓	2	QFP32
C8051F343-GM	32 kB	50	2.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	✓	2	QFN32
C8051F343-GQ	32 kB	50	2.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	✓	2	QFP32
C8051F344-GQ	64 kB	25	4.25	40	EMIF; I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 20-ch., 200 ksp/s	2	1	1	✓	✓	2	QFP48
C8051F345-GQ	32 kB	25	2.25	40	EMIF; I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 20-ch., 200 ksp/s	2	1	1	✓	✓	2	QFP48
C8051F346-GM	64 kB	25	4.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	✓	2	QFN32
C8051F346-GQ	64 kB	25	4.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	✓	2	QFP32
C8051F347-GM	32 kB	25	2.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	✓	2	QFN32
C8051F347-GQ	32 kB	25	2.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksp/s	1	1	1	✓	✓	2	QFP32

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051F348-GQ	32 kB	25	2.25	40	EMIF; I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	—	2	1	1	—	—	2	QFP48
C8051F349-GM	32 kB	25	2.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	—	1	1	1	—	—	2	QFN32
C8051F349-GQ	32 kB	25	2.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	—	1	1	1	—	—	2	QFP32
C8051F34A-GM	64 kB	50	4.25	25	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksps	2	1	1	✓	✓	2	QFN32
C8051F34A-GQ	64 kB	50	4.25	25	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksps	2	1	1	✓	✓	2	QFP32
C8051F34B-GM	32 kB	50	2.25	25	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksps	2	1	1	✓	✓	2	QFN32
C8051F34B-GQ	32 kB	50	2.25	25	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 21-ch., 200 ksps	2	1	1	✓	✓	2	QFP32
C8051F34C-GQ	64 kB	50	5.25	40	EMIF; I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	—	2	1	1	—	—	2	QFP48
C8051F34D-GQ	64 kB	50	5.25	25	I ² C; SPI; UART; USB	4	5	±1.5%	—	1	1	1	—	—	2	QFP32
C8051F380-GQ	64 kB	50	4.25	40	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	10-bit, 32-ch., 500 ksps	2	2	1	✓	✓	2	QFP48
C8051F381-GM	64 kB	50	4.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFN32
C8051F381-GQ	64 kB	50	4.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFP32
C8051F382-GQ	32 kB	50	2.25	40	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	10-bit, 32-ch., 500 ksps	2	2	1	✓	✓	2	QFP48
C8051F383-GM	32 kB	50	2.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFN32
C8051F383-GQ	32 kB	50	2.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFP32
C8051F384-GQ	64 kB	50	4.25	40	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	—	2	2	1	—	—	2	QFP48
C8051F385-GM	64 kB	50	4.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	—	2	2	1	—	—	2	QFN32
C8051F385-GQ	64 kB	50	4.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	—	2	2	1	—	—	2	QFP32
C8051F386-GQ	32 kB	50	2.25	40	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	—	2	2	1	—	—	2	QFP48
C8051F387-GM	32 kB	50	2.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	—	2	2	1	—	—	2	QFN32
C8051F387-GQ	32 kB	50	2.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	—	2	2	1	—	—	2	QFP32
C8051F388-GQ	64 kB	50	4.25	40	I ² C; 2 x I ² C; SPI; UART; 2 x UART	6	5	±1.5%	10-bit, 32-ch., 500 ksps	2	2	1	✓	✓	2	QFP48
C8051F389-GM	64 kB	50	4.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFN32
C8051F389-GQ	64 kB	50	4.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFP32
C8051F38A-GQ	32 kB	50	2.25	40	I ² C; 2 x I ² C; SPI; UART; 2 x UART	6	5	±1.5%	10-bit, 32-ch., 500 ksps	2	2	1	✓	✓	2	QFP48
C8051F38B-GM	32 kB	50	2.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFN32
C8051F38B-GQ	32 kB	50	2.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFP32
C8051F38C-GM	16 kB	50	2.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFN32
C8051F38C-GQ	16 kB	50	2.25	25	I ² C; 2 x I ² C; SPI; UART; 2 x UART; USB	6	5	±1.5%	10-bit, 21-ch., 500 ksps	2	2	1	✓	✓	2	QFP32
C8051F700-GQ	15 kB	25	0.5	54	EMIF; I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 500 ksps	1	1	1	✓	✓	1	QFP64
C8051F701-GQ	15 kB	25	0.5	54	EMIF; I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFP64
C8051F702-GQ	16 kB	25	0.5	54	EMIF; I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 500 ksps	1	1	1	✓	✓	1	QFP64
C8051F703-GQ	16 kB	25	0.5	54	EMIF; I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFP64
C8051F704-GM	15 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	10-bit, 12-ch., 500 ksps	1	1	1	✓	✓	1	QFN48
C8051F704-GQ	15 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	10-bit, 12-ch., 500 ksps	1	1	1	✓	✓	1	QFP48
C8051F705-GM	15 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN48
C8051F705-GQ	15 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFP48

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051F706-GM	16 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN48
C8051F706-GQ	16 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	QFP48
C8051F707-GM	16 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN48
C8051F707-GQ	16 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFP48
C8051F708-GQ	8 kB	25	0.5	54	EMIF; I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QFP64
C8051F709-GQ	8 kB	25	0.5	54	EMIF; I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFP64
C8051F710-GQ	8 kB	25	0.5	54	EMIF; I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QFP64
C8051F711-GQ	8 kB	25	0.5	54	EMIF; I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFP64
C8051F712-GM	8 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN48
C8051F712-GQ	8 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	QFP48
C8051F713-GM	8 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN48
C8051F713-GQ	8 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFP48
C8051F714-GM	8 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN48
C8051F714-GQ	8 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	QFP48
C8051F715-GM	8 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN48
C8051F715-GQ	8 kB	25	0.5	39	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFP48
C8051F716-GM	16 kB	25	0.5	29	I ² C; SPI; UART	4	3	±2%	10-bit, 3-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN32
C8051F717-GM	16 kB	25	0.5	20	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN24
C8051F800-GM	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F800-GU	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QSOP24
C8051F801-GM	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F801-GU	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QSOP24
C8051F802-GM	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F802-GU	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QSOP24
C8051F803-GS	16 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F804-GS	16 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F805-GS	16 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F806-GM	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F806-GU	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QSOP24
C8051F807-GM	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F807-GU	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QSOP24
C8051F808-GM	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F808-GU	16 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QSOP24
C8051F809-GS	16 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F810-GS	16 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F811-GS	16 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F812-GM	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F812-GU	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QSOP24

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051F813-GM	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F813-GU	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QSOP24
C8051F814-GM	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QFN20
C8051F814-GU	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	10-bit, 16-ch., 500 ksp/s	1	1	1	✓	✓	1	QSOP24
C8051F815-GS	8 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F816-GS	8 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F817-GS	8 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F818-GM	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F818-GU	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QSOP24
C8051F819-GM	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F819-GU	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QSOP24
C8051F820-GM	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F820-GU	8 kB	25	0.5	17	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	QSOP24
C8051F821-GS	8 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F822-GS	8 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F823-GS	8 kB	25	0.5	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F824-GS	8 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F825-GS	8 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F826-GS	8 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F827-GS	8 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F828-GS	8 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F829-GS	8 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F830-GS	4 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F831-GS	4 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F832-GS	4 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	10-bit, 12-ch., 500 ksp/s	1	1	1	✓	✓	1	SOIC16
C8051F833-GS	4 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F834-GS	4 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F835-GS	4 kB	25	0.25	13	I ² C; SPI; UART	3	3	±2%	—	1	1	1	—	—	1	SOIC16
C8051F850-C-GM	8 kB	25	0.50	16	I ² C; SPI; UART	4	3	±2%	12-bit, 15-ch., 200 ksp/s	1	1	1	✓	✓	2	QFN20
C8051F850-C-GU	8 kB	25	0.50	18	I ² C; SPI; UART	4	3	±2%	12-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	2	QSOP24
C8051F851-C-GM	4 kB	25	0.50	16	I ² C; SPI; UART	4	3	±2%	12-bit, 15-ch., 200 ksp/s	1	1	1	✓	✓	2	QFN20
C8051F851-C-GU	4 kB	25	0.50	18	I ² C; SPI; UART	4	3	±2%	12-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	2	QSOP24
C8051F852-C-GM	2 kB	25	0.25	16	I ² C; SPI; UART	4	3	±2%	12-bit, 15-ch., 200 ksp/s	1	1	1	✓	✓	2	QFN20
C8051F852-C-GU	2 kB	25	0.25	18	I ² C; SPI; UART	4	3	±2%	12-bit, 16-ch., 200 ksp/s	1	1	1	✓	✓	2	QSOP24
C8051F853-C-GM	8 kB	25	0.50	16	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	QFN20
C8051F853-C-GU	8 kB	25	0.50	18	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	QSOP24
C8051F854-C-GM	4 kB	25	0.50	16	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	QFN20
C8051F854-C-GU	4 kB	25	0.50	18	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	QSOP24

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051F855-C-GM	2 kB	25	0.25	16	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	QFN20
C8051F855-C-GU	2 kB	25	0.25	18	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	QSOP24
C8051F860-C-GS	8 kB	25	0.50	13	I ² C; SPI; UART	4	3	±2%	12-bit, 12-ch., 200 ksp/s	1	1	1	✓	✓	2	SOIC16
C8051F861-C-GS	4 kB	25	0.50	13	I ² C; SPI; UART	4	3	±2%	12-bit, 12-ch., 200 ksp/s	1	1	1	✓	✓	2	SOIC16
C8051F862-C-GS	2 kB	25	0.25	13	I ² C; SPI; UART	4	3	±2%	12-bit, 12-ch., 200 ksp/s	1	1	1	✓	✓	2	SOIC16
C8051F863-C-GS	8 kB	25	0.50	13	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	SOIC16
C8051F864-C-GS	4 kB	25	0.50	13	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	SOIC16
C8051F865-C-GS	2 kB	25	0.25	13	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	2	SOIC16
C8051T600-GM	8 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	10-bit, 8-ch., 500 ksp/s	1	1	0	✓	—	1	QFN11
C8051T600-GS	8 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	10-bit, 8-ch., 500 ksp/s	1	1	0	✓	—	1	SOIC14
C8051T601-GM	8 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	QFN11
C8051T601-GS	8 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	SOIC14
C8051T602-GM	4 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	10-bit, 8-ch., 500 ksp/s	1	1	0	✓	—	1	QFN11
C8051T602-GS	4 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	10-bit, 8-ch., 500 ksp/s	1	1	0	✓	—	1	SOIC14
C8051T603-GM	4 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	QFN11
C8051T603-GS	4 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	SOIC14
C8051T604-GM	2 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	10-bit, 8-ch., 500 ksp/s	1	1	0	✓	—	1	QFN11
C8051T604-GS	2 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	10-bit, 8-ch., 500 ksp/s	1	1	0	✓	—	1	SOIC14
C8051T605-GM	2 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	QFN11
C8051T605-GS	2 kB OTP	25	0.25	8	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	SOIC14
C8051T606-GM	1.5 kB OTP	25	0.125	6	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	QFN11
C8051T606-GT	1.5 kB OTP	25	0.125	6	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	MSOP10
C8051T606-ZM	1.5 kB OTP	25	0.125	6	I ² C; UART	3	3	±2%	—	1	1	0	—	—	1	QFN10
C8051T610-GQ	16 kB OTP	25	1.25	29	I ² C; SPI; UART	4	5	±2%	10-bit, 21-ch., 500 ksp/s	1	1	1	✓	—	2	QFP32
C8051T611-GM	16 kB OTP	25	1.25	25	I ² C; SPI; UART	4	5	±2%	10-bit, 17-ch., 500 ksp/s	1	1	1	✓	—	2	QFN28
C8051T612-GQ	8 kB OTP	25	1.25	29	I ² C; SPI; UART	4	5	±2%	10-bit, 21-ch., 500 ksp/s	1	1	1	✓	—	2	QFP32
C8051T613-GM	8 kB OTP	25	1.25	25	I ² C; SPI; UART	4	5	±2%	10-bit, 17-ch., 500 ksp/s	1	1	1	✓	—	2	QFN28
C8051T614-GQ	8 kB OTP	25	1.25	29	I ² C; SPI; UART	4	5	±2%	—	1	1	1	—	—	2	QFP32
C8051T615-GM	8 kB OTP	25	1.25	25	I ² C; SPI; UART	4	5	±2%	—	1	1	1	—	—	2	QFN28
C8051T616-GM	16 kB OTP	25	1.25	21	I ² C; SPI; UART	4	5	±2%	10-bit, 13-ch., 500 ksp/s	1	1	1	✓	—	2	QFN24
C8051T617-GM	16 kB OTP	25	1.25	21	I ² C; SPI; UART	4	5	±2%	—	1	1	1	—	—	2	QFN24
C8051T320-GQ	16 kB	48	1.25	25	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 16-ch., 500 ksp/s	2	1	1	✓	✓	2	QFP48
C8051T321-GM	16 kB	48	1.25	21	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 16-ch., 500 ksp/s	2	1	1	✓	✓	2	QFN28
C8051T322-GQ	16 kB	48	1.25	25	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	—	2	1	1	—	—	2	QFP32
C8051T323-GM	16 kB	48	1.25	21	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	—	2	1	1	—	—	2	QFN28
C8051T326-GM	16 kB	48	1.25	15	UART; USB	4	5	±1.5%	—	1	0	0	—	—	—	QFN28
C8051T327-GM	16 kB	48	1.25	15	UART; USB	4	5	±1.5%	—	1	0	0	—	—	—	QFN28
C8051T620-GM	16 kB	48	1.25	24	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 20-ch., 500 ksp/s	2	1	1	✓	✓	2	QFN32

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051T621-GM	16 kB	48	1.25	24	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	—	2	1	1	—	—	2	QFN32
C8051T622-GM	16 kB	48	1.25	16	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	—	2	1	1	—	—	—	QFN24
C8051T623-GM	8 kB	48	1.25	16	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	—	2	1	1	—	—	—	QFN24
C8051T626	64 kB	48	3.328	24	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 21-ch., 500 ksps	2	1	1	✓	✓	2	QFN32
C8051T627	32 kB	48	3.328	24	I ² C; SPI; UART; 2 x UART; USB	4	5	±1.5%	10-bit, 21-ch., 500 ksps	2	1	1	✓	✓	2	QFN32
C8051T630-GM	8 kB OTP	25	0.75	17	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 500 ksps	1	1	1	✓	✓	1	QFN20
C8051T631-GM	8 kB OTP	25	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051T632-GM	4 kB OTP	25	0.75	17	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 500 ksps	1	1	1	✓	✓	1	QFN20
C8051T633-GM	4 kB OTP	25	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051T634-GM	2 kB OTP	25	0.75	17	I ² C; SPI; UART	4	3	±2%	10-bit, 16-ch., 500 ksps	1	1	1	✓	✓	1	QFN20
C8051T635-GM	2 kB OTP	25	0.75	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20

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PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/ PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051F901-GM	8 kB	25	0.75	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch., 300 ksps	1	1	2	✓	✓	2	QFN24
C8051F901-GU	8 kB	25	0.75	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch., 300 ksps	1	1	2	✓	✓	2	QSOP24
C8051F902-GM	8 kB	25	0.75	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 15-ch., 75 ksps	1	1	2	✓	✓	2	QFN24
C8051F902-GU	8 kB	25	0.75	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 15-ch., 75 ksps	1	1	2	✓	✓	2	QSOP24
C8051F911-GM	16 kB	25	0.75	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch., 300 ksps	1	1	2	✓	✓	2	QFN24
C8051F911-GU	16 kB	25	0.75	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch., 300 ksps	1	1	2	✓	✓	2	QSOP24
C8051F912-GM	16 kB	25	0.75	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 15-ch., 75 ksps	1	1	2	✓	✓	2	QFN24
C8051F912-GU	16 kB	25	0.75	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 15-ch., 75 ksps	1	1	2	✓	✓	2	QSOP24
C8051F920-GM	32 kB	25	4.25	24	EMIF; I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 23-ch., 300 ksps	1	1	2	✓	✓	2	QFN32
C8051F920-GQ	32 kB	25	4.25	24	EMIF; I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 23-ch., 300 ksps	1	1	2	✓	✓	2	QFP32
C8051F921-GM	32 kB	25	4.25	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch., 300 ksps	1	1	2	✓	✓	2	QFN24
C8051F930-GM	64 kB	25	4.25	24	EMIF; I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 23-ch., 300 ksps	1	1	2	✓	✓	2	QFN32
C8051F930-GQ	64 kB	25	4.25	24	EMIF; I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 23-ch., 300 ksps	1	1	2	✓	✓	2	QFP32
C8051F931-GM	64 kB	25	4.25	16	I ² C; SPI; 2 x SPI; UART	4	6	±2%	10-bit, 15-ch., 300 ksps	1	1	2	✓	✓	2	QFN24
C8051F960-B-GM	128 kB	25	8	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN76
C8051F960-B-GQ	128 kB	25	8	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFP80
C8051F961-B-GM	128 kB	25	8	34	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN40
C8051F962-B-GM	128 kB	25	8	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN76
C8051F962-B-GQ	128 kB	25	8	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFP80
C8051F963-B-GM	128 kB	25	8	34	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN40
C8051F964-B-GM	64 kB	25	8	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN76
C8051F964-B-GQ	64 kB	25	8	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFP80
C8051F965-B-GM	64 kB	25	8	34	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN40
C8051F966-B-GM	32 kB	25	8	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN76

PART NUMBER	FLASH MEMORY	MHZ	RAM (KB)	DIG. I/O	COMMUNICATIONS	TIMERS (16-BIT)	PWM/PCA	INT. OSC	ADC	UART	I ² C	SPI	TEMP SENSOR	VREF	CO MP.	PACKAGE
C8051F966-B-GQ	32 kB	25	8	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFP80
C8051F967-B-GM	32 kB	25	8	34	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN40
C8051F968-B-GM	16 kB	25	4.25	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFN76
C8051F968-B-GQ	16 kB	25	4.25	57	I ² C; SPI; 2 x SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	2	✓	✓	2	QFP80
C8051F969-B-GM	16 kB	25	4.25	34	I ² C; HS I ² C Slave; SPI; UART	4	6	±2%	12-bit, 16-ch., 75 ksps	1	1	1	✓	✓	2	QFN40
C8051F970-A-GM	32 kB	25	8	43	I ² C; HS I ² C Slave; SPI; UART	4	3	±2%	10-bit, 43-ch., 300 ksps	1	1	1	✓	✓	—	QFN48
C8051F971-A-GM	32 kB	25	8	28	I ² C; HS I ² C Slave; SPI; UART	4	3	±2%	10-bit, 28-ch., 300 ksps	1	1	1	✓	✓	—	QFN32
C8051F972-A-GM	32 kB	25	8	19	I ² C; HS I ² C Slave; SPI; UART	4	3	±2%	10-bit, 19-ch., 300 ksps	1	1	1	✓	✓	—	QFN24
C8051F973-A-GM	16 kB	25	4	43	I ² C; HS I ² C Slave; SPI; UART	4	3	±2%	10-bit, 43-ch., 300 ksps	1	1	1	✓	✓	—	QFN48
C8051F974-A-GM	16 kB	25	4	28	I ² C; HS I ² C Slave; SPI; UART	4	3	±2%	10-bit, 28-ch., 300 ksps	1	1	1	✓	✓	—	QFN32
C8051F975-A-GM	16 kB	25	4	19	I ² C; HS I ² C Slave; SPI; UART	4	3	±2%	10-bit, 19-ch., 300 ksps	1	1	1	✓	✓	—	QFN24
C8051F980-GM	8 kB	25	0.5	16	UART	4	3	±2%	12-bit, 9-ch., 75 ksps	1	0	0	✓	✓	1	QFN20
C8051F981-GM	8 kB	25	0.5	16	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F982-GM	4 kB	25	0.5	16	I ² C; SPI; UART	4	3	±2%	10-bit, 9-ch., 300 ksps	1	1	1	✓	✓	1	QFN20
C8051F983-GM	4 kB	25	0.5	16	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F985-GM	2 kB	25	0.5	16	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F986-GM	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	12-bit, 10-ch., 75 ksps	1	1	1	✓	✓	1	QFN24
C8051F986-GU	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	12-bit, 10-ch., 75 ksps	1	1	1	✓	✓	1	QSOP24
C8051F987-GM	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN24
C8051F987-GU	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QSOP24
C8051F988-GM	4 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	10-bit, 10-ch., 300 ksps	1	1	1	✓	✓	1	QFN24
C8051F988-GU	4 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	10-bit, 10-ch., 300 ksps	1	1	1	✓	✓	1	QSOP24
C8051F989-GM	4 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN24
C8051F989-GU	4 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QSOP24
C8051F990-GM	8 kB	25	0.5	16	I ² C; SPI; UART	4	3	±2%	12-bit, 9-ch., 75 ksps	1	1	1	✓	✓	1	QFN20
C8051F991-GM	8 kB	25	0.5	16	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN20
C8051F996-GM	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	12-bit, 10-ch., 75 ksps	1	1	1	✓	✓	1	QFN24
C8051F996-GU	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	12-bit, 10-ch., 75 ksps	1	1	1	✓	✓	1	QSOP24
C8051F997-GM	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QFN24
C8051F997-GU	8 kB	25	0.5	17	I ² C; SPI; UART	4	3	±2%	—	1	1	1	—	—	1	QSOP24

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EFM32™ Zero Gecko

PART NUMBER (X = FLASH SIZE)	PACKAGE TYPE	ARM CORTEX CPU	FLASH (KB)	RAM (KB)	GPIO (PINS)	USB	LCD	USART			I ² C	TIMER (PWM)	LETIMER	RTC	PCNT	WATCHDOG	ADC (PINS)	DAC (PINS)	ACMP (PINS)	OPAMP	AES	EBI	TFT	LESENSE
								SPI	UART	LEUART														
EFM32ZG108FX - QFN24	QFN24	M0+	4/8/16/32	2/4	17	—	—	1	—	1	1	2 (6)	—	1	1	1	—	—	1 (2)	—	—	—	—	—
EFM32ZG110FX - QFN24	QFN24	M0+	4/8/16/32	2/4	17	—	—	1	—	1	1	2 (6)	—	1	1	1	1 (2)	—	1 (2)	—	✓	—	—	—
EFM32ZG210FX - QFN32	QFN32	M0+	4/8/16/32	2/4	24	—	—	1	—	1	1	2 (6)	—	1	1	1	1 (4)	—	1 (2)	—	✓	—	—	—
EFM32ZG222FX - QFP48	QFP48	M0+	4/8/16/32	2/4	37	—	—	1	—	1	1	2 (6)	—	1	1	1	1 (4)	—	1 (5)	—	✓	—	—	—

EFM32 Happy Gecko

PART NUMBER (X = FLASH SIZE)	PACKAGE TYPE	ARM CORTEX CPU	FLASH (KB)	RAM (KB)	GPIO (PINS)	USB	LCD	USART			I ² C	TIMER (PWM)	LETIMER	RTC	PCNT	WATCHDOG	ADC (PINS)	DAC (PINS)	ACMP (PINS)	OPAMP	AES	EBI	TFT	LESENSE
								SPI	UART	LEUART														
EFM32HG108FX - QFN24	QFN24	M0+	32/64	4/8	17	—	—	2	—	1	1	3 (9)	—	1	1	1	—	—	1 (2)	—	—	—	—	—
EFM32HG110FX - QFN24	QFN24	M0+	32/64	4/8	17	—	—	2	—	1	1	3 (9)	—	1	1	1	1 (2)	—	1 (2)	—	✓	—	—	—
EFM32HG210FX - QFN32	QFN32	M0+	32/64	4/8	24	—	—	2	—	1	1	3 (9)	—	1	1	1	1 (4)	—	1 (2)	—	✓	—	—	—
EFM32HG222FX - QFP48	QFP48	M0+	32/64	4/8	37	—	—	2	—	1	1	3 (9)	—	1	1	1	1 (4)	—	1 (5)	—	✓	—	—	—
EFM32HG308FX - QFN24	QFN24	M0+	32/64	8	15	✓	—	2	—	1	1	3 (9)	—	1	1	1	—	—	1 (2)	—	—	—	—	—
EFM32HG309FX - QFN24	QFN24	M0+	32/64	8	15	✓	—	2	—	1	1	3 (9)	—	1	1	1	1 (2)	—	1 (2)	—	✓	—	—	—
EFM32HG310FX - QFN32	QFN32	M0+	32/64	8	22	✓	—	2	—	1	1	3 (9)	—	1	1	1	1 (3)	—	1 (2)	—	✓	—	—	—
EFM32HG321FX - QFP48	QFP48	M0+	32/64	8	35	✓	—	2	—	1	1	3 (9)	—	1	1	1	1 (4)	—	1 (5)	—	—	—	—	—
EFM32HG322FX - QFP48	QFP48	M0+	32/64	8	35	✓	—	2	—	1	1	3 (9)	—	1	1	1	1 (4)	—	1 (5)	—	✓	—	—	—
EFM32HG350FX - CSP36	CSP36	M0+	32/64	8	22	✓	—	2	—	1	1	3 (9)	—	1	1	1	1 (3)	—	1 (2)	—	✓	—	—	—

EFM32 Tiny Gecko

PART NUMBER (X = FLASH SIZE)	PACKAGE TYPE	ARM CORTEX CPU	FLASH (KB)	RAM (KB)	GPIO (PINS)	USB	LCD	USART			I ² C	TIMER (PWM)	LETIMER	RTC	PCNT	WATCHDOG	ADC (PINS)	DAC (PINS)	ACMP (PINS)	OPAMP	AES	EBI	TFT	LESENSE
								SPI	UART	LEUART														
EFM32TG108FX - QFN24	QFN24	M3	4/8/16/32	2/4	17	—	—	1	—	1	1	2 (6)	1	1	1	1	—	—	2 (4)	—	—	—	—	✓*
EFM32TG110FX - QFN24	QFN24	M3	4/8/16/32	2/4	17	—	—	2	—	1	1	2 (6)	1	1	1	1	1 (2)	2 (1)	2 (4)	3	✓	—	—	✓
EFM32TG210FX - QFN32	QFN32	M3	8/16/32	2/4	24	—	—	2	—	1	1	2 (6)	1	1	1	1	1 (4)	2 (1)	2 (5)	3	✓	—	—	✓
EFM32TG222FX - QFP48	QFP48	M3	8/16/32	2/4	37	—	—	2	—	1	1	2 (6)	1	1	1	1	1 (4)	2 (1)	2 (12)	3	✓	—	—	✓
EFM32TG225FX - BGA48	BGA48	M3	8/16/32	2/4	37	—	—	2	—	1	1	2 (6)	1	1	1	1	1 (4)	2 (1)	2 (12)	3	✓	—	—	✓
EFM32TG230FX - QFN64	QFN64	M3	8/16/32	2/4	56	—	—	2	—	1	1	2 (6)	1	1	1	1	1 (8)	2 (2)	2 (16)	3	✓	—	—	✓
EFM32TG232FX - QFP64	QFP64	M3	8/16/32	2/4	53	—	—	2	—	1	1	2 (6)	1	1	1	1	1 (8)	2 (1)	2 (16)	3	✓	—	—	✓
EFM32TG822FX - QFP48	QFP48	M3	8/16/32	2/4	37	—	8x11	2	—	1	1	2 (6)	1	1	1	1	1 (4)	2 (1)	2 (4)	3	✓	—	—	✓
EFM32TG825FX - BGA48	BGA48	M3	8/16/32	2/4	37	—	8x11	2	—	1	1	2 (6)	1	1	1	1	1 (4)	2 (1)	2 (4)	3	✓	—	—	✓
EFM32TG840FX - QFN64	QFN64	M3	8/16/32	2/4	56	—	8x20	2	—	1	1	2 (6)	1	1	1	1	1 (8)	2 (2)	2 (8)	3	✓	—	—	✓
EFM32TG842FX - QFP64	QFP64	M3	8/16/32	2/4	53	—	8x18	2	—	1	1	2 (6)	1	1	1	1	1 (8)	2 (1)	2 (8)	3	✓	—	—	✓

*Reduced LESENSE functionality without DAC | **Reduced LCD Controller functionality combined with EBI (External Bus Interface)

EFM32 Gecko

PART NUMBER (X = FLASH SIZE)	PACKAGE TYPE	ARM CORTEX CPU	FLASH (KB)	RAM (KB)	GPIO (PINS)	USB	LCD	USART			I ² C	TIMER			ADC (PINS)	DAC (PINS)	ACMP (PINS)	OPAMP	AES	EBI	TFT	LESENSE	
								SPI I2S	UART	LEUART		(PWM)	LETIMER	RTC									PCNT
EFM32G200FX - QFN32	QFN32	M3	16/32/64	8/16	24	—	—	2	—	1	1	2 (6)	1	1	1	1	1 (4)	1 (1)	2 (5)	—	—	—	—
EFM32G210FX - QFN32	QFN32	M3	128	16	24	—	—	2	—	1	1	2 (6)	1	1	1	1	1 (4)	1 (1)	2 (5)	—	✓	—	—
EFM32G222FX - QFP48	QFP48	M3	32/64/128	8/16	37	—	—	2	—	1	1	3 (9)	1	1	2	1	1 (4)	1 (1)	2 (12)	—	✓	—	—
EFM32G230FX - QFN64	QFN64	M3	32/64/128	8/16	56	—	—	3	—	2	1	3 (9)	1	1	3	1	1 (8)	2 (2)	2 (16)	—	✓	—	—
EFM32G232FX - QFP64	QFP64	M3	32/64/128	8/16	53	—	—	3	—	2	1	3 (9)	1	1	3	1	1 (8)	1 (1)	2 (16)	—	✓	—	—
EFM32G280FX - QFP100	QFP100	M3	32/64/128	8/16	86	—	—	3	1	2	1	3 (9)	1	1	3	1	1 (8)	2 (2)	2 (16)	—	✓	✓	—
EFM32G290FX - BGA112	BGA112	M3	32/64/128	8/16	90	—	—	3	1	2	1	3 (9)	1	1	3	1	1 (8)	2 (2)	2 (16)	—	✓	✓	—
EFM32G840FX - QFN64	QFN64	M3	32/64/128	8/16	56	—	4x24	3	—	2	1	3 (9)	1	1	3	1	1 (8)	2 (2)	2 (8)	—	✓	—	—
EFM32G842FX - QFP64	QFP64	M3	32/64/128	8/16	53	—	4x22	3	—	2	1	3 (9)	1	1	3	1	1 (8)	1 (1)	2 (8)	—	✓	—	—
EFM32G880FX - QFP100	QFP100	M3	32/64/128	8/16	86	—	4x40	3	1	2	1	3 (9)	1	1	3	1	1 (8)	2 (2)	2 (16)	—	✓	✓**	—
EFM32G890FX - BGA112	BGA112	M3	32/64/128	8/16	90	—	4x40	3	1	2	1	3 (9)	1	1	3	1	1 (8)	2 (2)	2 (16)	—	✓	✓**	—

EFM32 Leopard Gecko

PART NUMBER (X = FLASH SIZE)	PACKAGE TYPE	ARM CORTEX CPU	FLASH (KB)	RAM (KB)	GPIO (PINS)	USB	LCD	USART			I ² C	TIMER			ADC (PINS)	DAC (PINS)	ACMP (PINS)	OPAMP	AES	EBI	TFT	LESENSE	
								SPI I2S	UART	LEUART		(PWM)	LETIMER	RTC									PCNT
EFM32LG230FX - QFN64	QFN64	M3	64/128/256	32	56	—	—	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	—	✓
EFM32LG232FX - QFP64	QFP64	M3	64/128/256	32	53	—	—	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	—	✓
EFM32LG280FX - QFP100	QFP100	M3	64/128/256	32	86	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓
EFM32LG290FX - BGA112	BGA112	M3	64/128/256	32	90	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓
EFM32LG295FX - BGA120	BGA120	M3	64/128/256	32	93	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓
EFM32LG330FX - QFN64	QFN64	M3	64/128/256	32	53	✓	—	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	—	✓
EFM32LG332FX - QFP64	QFP64	M3	64/128/256	32	50	✓	—	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	✓
EFM32LG380FX - QFP100	QFP100	M3	64/128/256	32	83	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓	✓
EFM32LG360FX - CSP81	CSP81	M3	64/128/256	32	65	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	—	✓
EFM32LG390FX - BGA112	BGA112	M3	64/128/256	32	87	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓	✓
EFM32LG395FX - BGA120	BGA120	M3	64/128/256	32	93	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓
EFM32LG840FX - QFN64	QFN64	M3	64/128/256	32	56	—	8x20	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (8)	3	✓	—	✓
EFM32LG842FX - QFP64	QFP64	M3	64/128/256	32	53	—	8x18	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	2 (8)	3	✓	—	✓
EFM32LG880FX - QFP100	QFP100	M3	64/128/256	32	86	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓
EFM32LG890FX - BGA112	BGA112	M3	64/128/256	32	90	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓
EFM32LG895FX - BGA120	BGA120	M3	64/128/256	32	93	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓
EFM32LG940FX - QFN64	QFN64	M3	64/128/256	32	53	✓	8x18	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	✓
EFM32LG942FX - QFP64	QFP64	M3	64/128/256	32	50	✓	8x16	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	✓
EFM32LG980FX - QFP100	QFP100	M3	64/128/256	32	83	✓	8x34	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓**	✓
EFM32LG990FX - BGA112	BGA112	M3	64/128/256	32	87	✓	8x34	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓**	✓
EFM32LG995FX - BGA120	BGA120	M3	64/128/256	32	93	✓	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓

*Reduced LESENSE functionality without DAC | **Reduced LCD Controller functionality combined with EBI (External Bus Interface)

EFM32 Giant Gecko

PART NUMBER (X = FLASH SIZE)	PACKAGE TYPE	ARM CORTEX CPU	FLASH (KB)	RAM (KB)	GPIO (PINS)	USB		USART		LEUART	I ² C	TIMER			WATCHDOG	ADC (PINS)	DAC (PINS)	ACMP (PINS)	OPAMP	AES	EBI	TFT	LESENSE	
						USB	LCD	SPI I2S	UART			PWM	LETIMER	RTC										PCNT
EFM32GG230FX - QFN64	QFN64	M3	512/1024	128	56	—	—	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	—	—	✓
EFM32GG232FX - QFP64	QFP64	M3	512/1024	128	53	—	—	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	—	—	✓
EFM32GG280FX - QFP100	QFP100	M3	512/1024	128	86	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓	✓
EFM32GG290FX - BGA112	BGA112	M3	512/1024	128	90	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓	✓
EFM32GG295FX - BGA120	BGA120	M3	512/1024	128	93	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓	✓
EFM32GG330FX - QFN64	QFN64	M3	512/1024	128	53	✓	—	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	—	—	✓
EFM32GG332FX - QFP64	QFP64	M3	512/1024	128	50	✓	—	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	—	✓
EFM32GG380FX - QFP100	QFP100	M3	512/1024	128	83	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓	✓	✓
EFM32GG390FX - BGA112	BGA112	M3	512/1024	128	87	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓	✓	✓
EFM32GG395FX - BGA120	BGA120	M3	512/1024	128	93	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓	✓
EFM32GG840FX - QFN64	QFN64	M3	512/1024	128	56	—	8x20	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (8)	3	✓	—	—	✓
EFM32GG842FX - QFP64	QFP64	M3	512/1024	128	53	—	8x18	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	2 (8)	3	✓	—	—	✓
EFM32GG880FX - QFP100	QFP100	M3	512/1024	128	86	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓	✓
EFM32GG890FX - BGA112	BGA112	M3	512/1024	128	90	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓	✓
EFM32GG895FX - BGA120	BGA120	M3	512/1024	128	93	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓	✓
EFM32GG940FX - QFN64	QFN64	M3	512/1024	128	53	✓	8x18	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	—	✓
EFM32GG942FX - QFP64	QFP64	M3	512/1024	128	50	✓	8x16	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	—	✓
EFM32GG980FX - QFP100	QFP100	M3	512/1024	128	83	✓	8x34	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓**	✓	✓
EFM32GG990FX - BGA112	BGA112	M3	512/1024	128	87	✓	8x34	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓**	✓	✓
EFM32GG995FX - BGA120	BGA120	M3	512/1024	128	93	✓	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓	✓

EFM32 Wonder Gecko (Floating Point Unit / DSP)

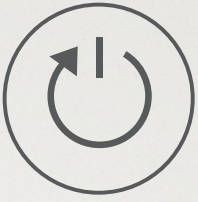
PART NUMBER (X = FLASH SIZE)	PACKAGE TYPE	ARM CORTEX CPU	FLASH (KB)	RAM (KB)	GPIO (PINS)	USB		USART		LEUART	I ² C	TIMER			WATCHDOG	ADC (PINS)	DAC (PINS)	ACMP (PINS)	OPAMP	AES	EBI	TFT	LESENSE	
						USB	LCD	SPI I2S	UART			PWM	LETIMER	RTC										PCNT
EFM32WG230FX - QFN64	QFN64	M4	64/128/256	32	56	—	—	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	—	—	✓
EFM32WG232FX - QFP64	QFP64	M4	64/128/256	32	53	—	—	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	—	—	✓
EFM32WG280FX - QFP100	QFP100	M4	64/128/256	32	86	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓	✓
EFM32WG290FX - BGA112	BGA112	M4	64/128/256	32	90	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓	✓
EFM32WG295FX - BGA120	BGA120	M4	64/128/256	32	93	—	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓	✓
EFM32WG330FX - QFN64	QFN64	M4	64/128/256	32	53	✓	—	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	—	—	✓
EFM32WG332FX - QFP64	QFP64	M4	64/128/256	32	50	✓	—	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	—	✓
EFM32WG360FXG - CSP81	CSP81	M4	64/128/256	32	65	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	—	—	✓
EFM32WG380FX - QFP100	QFP100	M4	64/128/256	32	83	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓	✓	✓
EFM32WG390FX - BGA112	BGA112	M4	64/128/256	32	87	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓	✓	✓
EFM32WG395FX - BGA120	BGA120	M4	64/128/256	32	93	✓	—	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓	✓	✓
EFM32WG840FX - QFN64	QFN64	M4	64/128/256	32	56	—	8x20	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (8)	3	✓	—	—	✓

*Reduced LESENSE functionality without DAC | **Reduced LCD Controller functionality combined with EBI (External Bus Interface)

PART NUMBER (X = FLASH SIZE)	PACKAGE TYPE	ARM CORTEX CPU	FLASH (KB)	RAM (KB)	GPIO (PINS)	USB		LCD	USART			FC	TIMER				ADC (PINS)	DAC (PINS)	ACMP (PINS)	OPAMP	AES	EBI	TFT	LESENSE
						USB	LCD		SPI	I2S	UART		LEUART	PWM	LETIMER	RTC								
EFM32WG842FX - QFP64	QFP64	M4	64/128/256	32	53	—	8x18	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	2 (8)	3	✓	—	—	✓
EFM32WG880FX - QFP100	QFP100	M4	64/128/256	32	86	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓	✓
EFM32WG890FX - BGA112	BGA112	M4	64/128/256	32	90	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓	✓
EFM32WG895FX - BGA120	BGA120	M4	64/128/256	32	93	—	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓	✓
EFM32WG940FX - QFN64	QFN64	M4	64/128/256	32	53	✓	8x18	3	—	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	—	✓
EFM32WG942FX - QFP64	QFP64	M4	64/128/256	32	50	✓	8x16	3	—	2	2	4 (11)	1	1	3	1	1 (8)	2 (2)	1 (4)	3	✓	—	—	✓
EFM32WG980FX - QFP100	QFP100	M4	64/128/256	32	83	✓	8x34	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓**	✓	✓
EFM32WG990FX - BGA112	BGA112	M4	64/128/256	32	87	✓	8x34	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (12)	3	✓	✓**	✓	✓
EFM32WG995FX - BGA120	BGA120	M4	64/128/256	32	93	✓	8x36	3	2	2	2	4 (12)	1	1	3	1	1 (8)	2 (2)	2 (16)	3	✓	✓**	✓	✓

*Reduced LESENSE functionality without DAC | **Reduced LCD Controller functionality combined with EBI (External Bus Interface)





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Analog to Digital Converters

PART NUMBER	DESCRIPTION	VDD (MIN)	IDD (MAX)	RESOLUTION	INTEGRAL NON-LINEARITY	THROUGHPUT	INTERFACE	VREFERENCE	INITIAL ACCURACY	VREFERENCE DRIFT	PACKAGE TYPE
TS7001	2-ch, 187.5 ksps, serial 12-bit SAR ADC	2.7 V	0.85 mA	12	1	187.5 ksps	3-wire SPI	2.5 V	±0.5%	30 ppm/°C	MSOP-8
TS7003	1-ch, 300 ksps, serial 12-bit SAR ADC	2.7 V	0.95 mA	12	1	300 ksps	3-wire SPI	2.5 V	±0.6%	30 ppm/°C	TDFN33EP-8
TSA7887A	2-ch, 125 ksps, serial 12-bit SAR ADC	2.7 V	0.85 mA	12	1	125 ksps	3-wire SPI	2.5 V	—	30 ppm/°C	SOIC-8; MSOP-8
TSA7887B	2-ch, 125 ksps, serial 12-bit SAR ADC	2.7 V	0.85 mA	12	2	125 ksps	3-wire SPI	2.5 V	—	30 ppm/°C	SOIC-8
TSM1285	1-ch, 300 ksps, serial 12-bit SAR ADC	2.7 V	2.5 mA	12	1	300 ksps	3-wire SPI	2.5 V	—	15 ppm/°C	SOIC-8

Comparators

PART NUMBER	# CHANNELS	VDD (MIN)	VDD (MAX)	IDD (MAX)	VREFERENCE	COMPARATOR OUTPUT	COMPARATOR (TPD+/TPD-)	PACKAGE TYPE
TS12001	1	0.65 V	2.5 V	1 µA	0.58 V	Push-pull & Open-drain	35/35 µs	UDFN22EP-10
TS9001-1	1	1.6 V	5.5 V	1 µA	1.252 V ±1%	Push-pull	15/16 µs	SC70-5
TS9001-2	1	1.6 V	5.5 V	1 µA	1.252 V ±1%	Open-drain	15/16 µs	SC70-5
TS9002	2	2.5 V	11 V	4 µA	1.182 V ±0.75%	Push-pull	7 µs	MSOP-8
TS9004	4	2.5 V	11 V	5.1 µA	1.182 V ±0.75%	Push-pull	7 µs	SOIC-16
TSM9117	1	1.6 V	5.5 V	1 µA	1.252 V ±1%	Push-pull	15/16 µs	SC70-5; SOIC-8
TSM9118	1	1.6 V	5.5 V	1 µA	1.252 V ±1%	Open-drain	15/16 µs	SC70-5
TSM9119	1	1.6 V	5.5 V	1 µA	—	Push-pull	15/16 µs	SC70-5
TSM9120	1	1.6 V	5.5 V	1 µA	—	Open-drain	15/16 µs	SC70-5; SOIC-8
TSM917	1	1.8 V	5.5 V	1.3 µA	1.252 V ±1.5%	Open-drain	17/30 µs	SOIC-8; SOT23-5
TSM921	1	2.5 V	11 V	4 µA	1.182 V ±1%	Push-pull	12 µs	SOIC-8; MSOP-8
TSM922	2	2.5 V	11 V	4 µA	—	Push-pull	12 µs	—
TSM923	2	2.5 V	11 V	6 µA	1.182 V ±1%	Push-pull	12 µs	SOIC-8 ; MSOP-8
TSM924	4	2.5 V	11 V	8.5 µA	1.182 V ±1%	Push-pull	12 µs	SOIC-16
TSM931	1	2.5 V	11 V	4 µA	1.182 V ±1%	Push-pull	12 µs	SOIC-8; MSOP-8
TSM932	2	2.5 V	11 V	6 µA	1.182 V ±1%	Push-pull	12 µs	SOIC-8; MSOP-8
TSM933	2	2.5 V	11 V	6 µA	1.182 V ±1%	Push-pull	12 µs	SOIC-8; MSOP-8
TSM934	4	2.5 V	11 V	8.5 µA	1.182 V ±1%	Push-pull	12 µs	SOIC-16
TSM971	1	2.5 V	11 V	4 µA	1.182 V ±1%	Open-drain	12 µs	SOIC-8; MSOP-8
TSM972	2	2.5 V	11 V	4 µA	—	Open-drain	12 µs	SOIC-8; MSOP-8
TSM973	2	2.5 V	11 V	6 µA	1.182 V ±1%	Open-drain	12 µs	SOIC-8; MSOP-8
TSM982	2	2.5 V	11 V	6 µA	1.182 V ±1%	Open-drain	12 µs	SOIC-8; MSOP-8
TSM984	4	2.5 V	11 V	8.5 µA	1.182 V ±1%	Open-drain	12 µs	SOIC-16

Current Sense Amplifiers

PART NUMBER	DESCRIPTION	BIDIRECTIONAL	VCM (MIN)	VCM (MAX)	ICC (MAX)	GAIN OPTION	GAIN ERROR	VOS (MAX)	PACKAGE TYPE
TS1100-100	Unidirectional Current-Sense Amplifier, G=100V/V, 100µV VOS	—	2 V	27 V	1 µA	100 V/V	0.5%	100 µV	SOT23-5
TS1100-200	Unidirectional Current-Sense Amplifier, G=200V/V, 100µV VOS	—	2 V	27 V	1 µA	200 V/V	0.5%	100 µV	SOT23-5
TS1100-25	Unidirectional Current-Sense Amplifier, G=50V/V, 100µV VOS	—	2 V	27 V	1 µA	25 V/V	0.5%	100 µV	SOT23-5

PART NUMBER	DESCRIPTION	BIDIRECTIONAL	VCM (MIN)	VCM (MAX)	ICC (MAX)	GAIN OPTION	GAIN ERROR	VOS (MAX)	PACKAGE TYPE
TS1100-50	Unidirectional Current-Sense Amplifier, G=25V/V, 100µV VOS	—	2 V	27 V	1 µA	50 V/V	0.5%	100 µV	SOT23-5
TS1101-100	Bidirectional Current-Sense Amplifier, G=100V/V, 100µV VOS	✓	2 V	27 V	1 µA	100 V/V	1%	100 µV	SOT23-6
TS1101-200	Bidirectional Current-Sense Amplifier, G=200V/V, 100µV VOS	✓	2 V	27 V	1 µA	200 V/V	1%	100 µV	SOT23-6
TS1101-25	Bidirectional Current-Sense Amplifier, G=50V/V, 100µV VOS	✓	2 V	27 V	1 µA	25 V/V	1%	100 µV	SOT23-6
TS1101-50	Bidirectional Current-Sense Amplifier, G=25V/V, 100µV VOS	✓	2 V	27 V	1 µA	50 V/V	1%	100 µV	SOT23-6
TS1102-100	Unidirectional Current-Sense Amplifier, G=100V/V, 200µV VOS	—	2 V	27 V	1 µA	100 V/V	0.5%	200 µV	SOT23-5
TS1102-200	Unidirectional Current-Sense Amplifier, G=200V/V, 200µV VOS	—	2 V	27 V	1 µA	200 V/V	0.5%	200 µV	SOT23-5
TS1102-25	Unidirectional Current-Sense Amplifier, G=50V/V, 200µV VOS	—	2 V	27 V	1 µA	25 V/V	0.5%	200 µV	SOT23-5
TS1102-50	Unidirectional Current-Sense Amplifier, G=25V/V, 200µV VOS	—	2 V	27 V	1 µA	50 V/V	0.5%	200 µV	SOT23-5
TS1103-100	Bidirectional Current-Sense Amplifier, G=100V/V, 200µV VOS	✓	2 V	27 V	1 µA	100 V/V	1%	200 µV	SOT23-6
TS1103-200	Bidirectional Current-Sense Amplifier, G=200V/V, 200µV VOS	✓	2 V	27 V	1 µA	200 V/V	1%	200 µV	SOT23-6
TS1103-25	Bidirectional Current-Sense Amplifier, G=50V/V, 200µV VOS	✓	2 V	27 V	1 µA	25 V/V	1%	200 µV	SOT23-6
TS1103-50	Bidirectional Current-Sense Amplifier, G=25V/V, 200µV VOS	✓	2 V	27 V	1 µA	50 V/V	1%	200 µV	SOT23-6
TSM9634F	Unidirectional Current-Sense Amplifier, G=50V/V, 250µV VOS	—	1.6 V	28 V	1 µA	50 V/V	0.5%	250 µV	SOT23-5
TSM9634H	Unidirectional Current-Sense Amplifier, G=100V/V, 250µV VOS	—	1.6 V	28 V	1 µA	100 V/V	0.5%	250 µV	SOT23-5
TSM9634T	Unidirectional Current-Sense Amplifier, G=25V/V, 250µV VOS	—	1.6 V	28 V	1 µA	25 V/V	0.5%	250 µV	SOT23-5
TSM9634W	Unidirectional Current-Sense Amplifier, G=200V/V, 250µV VOS	—	1.6 V	28 V	1 µA	200 V/V	0.5%	250 µV	SOT23-5
TSM9938F	Unidirectional Current-Sense Amplifier, G=50V/V, 500µV VOS	—	1.6 V	28 V	1 µA	50 V/V	0.5%	500 µV	SOT23-5
TSM9938H	Unidirectional Current-Sense Amplifier, G=100V/V, 500µV VOS	—	1.6 V	28 V	1 µA	100 V/V	0.5%	500 µV	SOT23-5
TSM9938T	Unidirectional Current-Sense Amplifier, G=25V/V, 500µV VOS	—	1.6 V	28 V	1 µA	25 V/V	0.5%	500 µV	SOT23-5
TSM9938W	Unidirectional Current-Sense Amplifier, G=200V/V, 500µV VOS	—	1.6 V	28 V	1 µA	200 V/V	0.5%	500 µV	SOT23-5

DC-DC Converters

PART NUMBER	OUTPUTS	VIN (MIN)	VIN (MAX)	VOUT (MIN)	VOUT (MAX)	IQ	EFFICIENCY	IOUT	PACKAGE TYPE
TS3300	Boost	0.6 V	3.0 V	1.8 V	3.6 V	3.5 µA	84%	100 mA	TQFN33EP-16
TS3310	Always-On/Instant-On	0.9 V	3.6 V	1.8 V	5.0 V	0.15 µA	92%	50 mA	TDFN22EP-10

Low Power Timers

PART NUMBER	PROGRAMMING	VDD (MIN)	VDD (MAX)	IDD (MAX)	FREQUENCY RANGE	FOUT PERIOD TEMP COEF	INITIAL ACCURACY	PWM OUTPUT	PACKAGE TYPE
TS3001	Resistor Only	0.9 V	1.8 V	1 µA	5 kHz - 90 kHz	0.021%	3%	✓	TDFN22EP-8
TS3002	Resistor and Capacitor	0.9 V	1.8 V	1 µA	5 kHz - 290 kHz	0.044%	3%	✓	TDFN22EP-8
TS3003	Resistor Only	1.55 V	5.25 V	1.9 µA	10 kHz - 30 kHz	0.02%	3%	✓	TDFN33EP-10
TS3004	Resistor Only	1.55 V	5.25 V	1.9 µA	4.76 Hz - 300 kHz	0.02%	3%	✓	TDFN33EP-10
TS3004	Resistor Only	1.55 V	5.25 V	1.9 µA	1.7 ms - 33 hr	0.02%	3%	✓	TDFN33EP-10
TS3006	Resistor Only	1.55 V	5.25 V	1.9 µA	9 kHz - 300 kHz	0.02%	3%	—	TDFN33EP-8

Operational Amplifiers

PART NUMBER	# CHANNELS	VDD (MIN)	VDD (MAX)	IDD (MAX)	GBW	SLEW RATE	RAIL-TO-RAIL IN/OUT	VOS (MAX)	VREFERENCE	COMPARATOR OUTPUT	COMPARATOR (TPD+/TPD-)	PACKAGE TYPE
TS1001	1	0.8 V	2.5 V	1 μ A	4 kHz	1.5 V/ms	—	3 mV	—	—	—	SC70-5
TS1002	2	0.8 V	2.5 V	1 μ A	4 kHz	1.5 V/ms	—	3 mV	—	—	—	MSOP-8
TS1003	1	0.8 V	5.5 V	1 μ A	4 kHz	1.5 V/ms	—	3 mV	—	—	—	SC70-5
TS1004	4	0.8 V	2.5 V	1 μ A	4 kHz	1.5 V/ms	—	3 mV	—	—	—	TSSOP-14
TS1005	1	0.8 V	5.5 V	1.8 μ A	20 kHz	7.5 V/ms	—	3 mV	—	—	—	SC70-5
TS12011	1	0.8 V	5.5 V	1.6 μ A	—	—	✓/✓	7 mV	0.58 V	Push-pull	20 μ s	UDFN22EP-10
TS12012	1	0.8 V	5.5 V	1.6 μ A	—	—	✓/✓	7 mV	0.58 V	Open-drain	20 μ s	UDFN22EP-10

Voltage References

PART NUMBER	VOUT	VIN (MIN)	VIN (MAX)	ICC (MAX)	IOUT (MAX)	0.1 HZ TO 10 HZ NOISE	VOUT DRIFT	INITIAL ACCURACY	PACKAGE TYPE
TS6001A	2.5 V	1.7 V	12.6 V	35 μ A	500 μ A	50 μ V	7 ppm/ $^{\circ}$ C	0.08%	SOT23-3
TS6001B	2.5 V	1.7 V	12.6 V	35 μ A	500 μ A	50 μ V	10 ppm/ $^{\circ}$ C	0.16%	SOT23-3
TSM6025A	2.5 V	1.7 V	12.6 V	35 μ A	500 μ A	50 μ V	15 ppm/ $^{\circ}$ C	0.20%	SOT23-3
TSM6025B	2.5 V	1.7 V	12.6 V	35 μ A	500 μ A	50 μ V	25 ppm/ $^{\circ}$ C	0.40%	SOT23-3

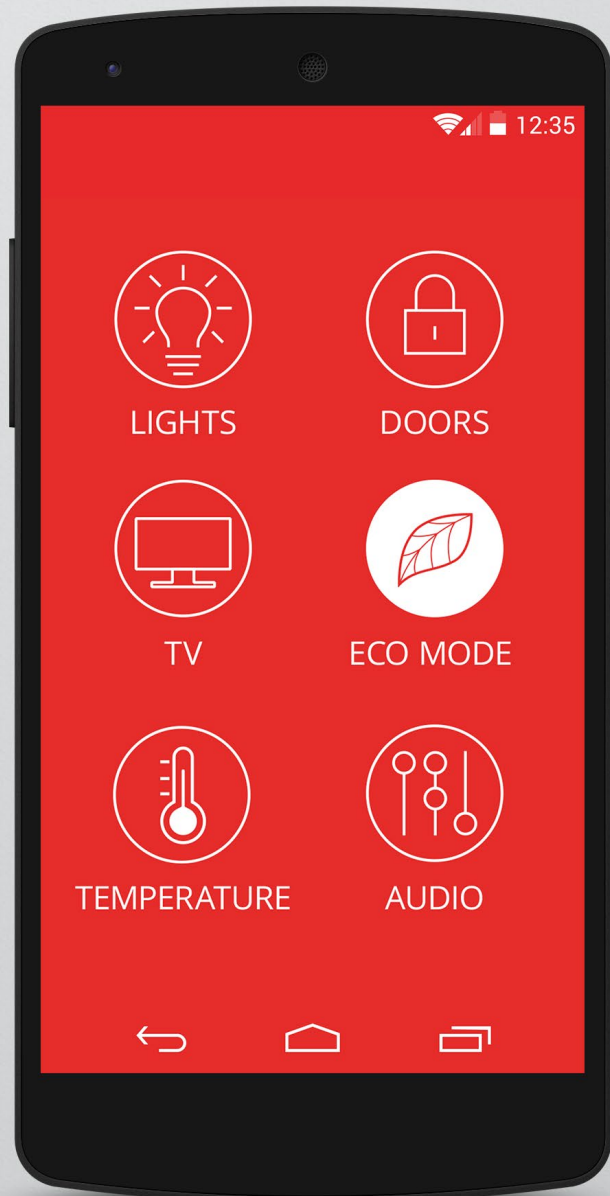




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Bluetooth® 4.0 / 4.1 / 4.2 Modules

	BGM111 BLUETOOTH SMART MODULE	BLE112* BLUETOOTH SMART MODULE	BLE112* BLUETOOTH SMART DONGLE	BLE113* BLUETOOTH SMART MODULE	BLE121LR* BLUETOOTH SMART LONG RANGE MODULE	BT121* BLUETOOTH SMART READY MODULE	BT111* BLUETOOTH SMART READY HCI MODULE
BLUETOOTH							
Version	Bluetooth 4.2	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.1	Bluetooth 4.0
Bluetooth Smart	✓	✓	✓	✓	✓	✓	✓
Bluetooth BR/EDR	—	—	—	—	—	✓	✓
Roles	master/slave	master/slave	master/slave	master/slave	master/slave	master/slave	master/slave
RADIO							
TX power	+8 dBm	+2 dBm	0 dBm	0 dBm	+8 dBm	+8/12 dBm	+8 dBm
RX sensitivity	-93 dBm	-92 dBm	-89 dBm	-93 dBm	-98 dBm	-96 dBm	-89 dBm
Typical Range**	200 meters	150 meters	30 meters	100 meters	250-450 meters	200-400 meters	150 meters
ANTENNA OPTIONS							
Integrated	✓	✓	✓	✓	✓	✓	✓
u.FL	—	✓	—	—	—	—	—
INTERFACES							
UART	2 + LEUART	2	—	2	2	1	—
USB	—	2.0 device	2.0 device	—	—	—	2.0 device
SPI	2	2	—	2	2	2	—
I2C	1	1	—	1	1	2	—
PWM	3 + 4	4	—	4	4	—	—
GPIO	up to 25	up to 19	—	up to 16	up to 16	up to 22	6
ADC	4 x 12-bit	7 x 12-bit	—	7 x 12-bit	7 x 12-bit	4 x 12-bit	—
IDAC	1	—	—	—	—	—	—
Wake-up interrupt	✓	✓	—	✓	✓	✓	—
Analog Comparator	2	1	—	1	1	—	—
Timers	2x16-bit	2x8-bit + 1x16-bit	—	2x8-bit + 1x16-bit	2x8-bit + 1x16-bit	—	—
RTTC	✓	—	—	—	—	✓	—
Op-amp	✓	✓	—	✓	✓	—	—
Battery monitor	✓	✓	—	✓	✓	—	—
Internal Temperature sensor	✓	✓	—	✓	✓	—	—
Debug	✓	✓	—	✓	✓	—	—
IR generation	—	✓	✓	✓	✓	—	—
PCM	—	—	—	—	—	—	✓
I2S	2	—	—	—	—	—	—
MICROCONTROLLER							
Core	ARM Cortex-M4F	8051	8051	8051	8051	ARM Cortex-M0	—
RAM	32 kB	8 kB	8 kB	8 kB	8 kB	16 kB	—
Flash	256 kB	128 kB	128 kB	128/256 kB	256 kB	128 kB	—
CURRENT CONSUMPTION							
TX peak	8.2 mA (0 dBm)	27 mA	—	18.2 mA	27 mA	92 mA	70 mA
RX peak	7.5 mA	19.6 mA	—	17.9 mA	19.6 mA	78 mA	52 mA
Sleep (timer active)	1.7 µA	1 µA	—	1 µA	1 µA	169 µA	—
Sleep (external wake-up)	0.2 µA	0.5 µA	—	0.5 µA	0.5 µA	3 µA	370 µA
OPERATING VOLTAGE							
Operating voltage	1.8 - 3.6 V	2.0 - 3.6 V	5 V	2.0 - 3.6 V	2.0 - 3.6 V	2.2 - 3.6 V	2.3 - 5.7 V
BLUETOOTH SOFTWARE STACK							
Integrated stack	✓	✓	✓	✓	✓	✓	—
Features	L2CAP, ATT, GATT, GAP, SM	L2CAP, ATT, GATT, GAP, SM	L2CAP, ATT, GATT, GAP, SM	L2CAP, ATT, GATT, GAP, SM	L2CAP, ATT, GATT, GAP, SM	L2CAP, ATT, GATT, RFCOMM, GAP, SM	—
CONNECTIONS							
Simultaneous connections	8 x BLE	8	8 x BLE	8 x BLE	8 x BLE	7 x BLE + 6 x BR/EDR	5 x BLE + 7 x BR/EDR

	BGM111 BLUETOOTH SMART MODULE	BLE112* BLUETOOTH SMART MODULE	BLED112* BLUETOOTH SMART DONGLE	BLE113* BLUETOOTH SMART MODULE	BLE121LR* BLUETOOTH SMART LONG RANGE MODULE	BT121* BLUETOOTH SMART READY MODULE	BT111* BLUETOOTH SMART READY HCI MODULE
SUPPORTED PROFILES							
BR/EDR profiles	—	—	—	—	—	SPP, iAP2, GATT	✓***
BLE profiles	HR, HTM, HID, PXP, FM, ect.	HR, HTM, HID, PXP, FM, ect.	HR, HTM, HID, PXP, FM, ect.	HR, HTM, HID, PXP, FM, ect.	HR, HTM, HID, PXP, FM, ect.	HR, HTM, HID, PXP, FM, ect.	✓***
Custom services	✓	✓	✓	✓	✓	✓	✓***
SOFTWARE DEVELOPMENT							
Host API (NCP mode)	BGAPI™ serial protocol	BGAPI serial protocol	BGAPI serial protocol	BGAPI serial protocol	BGAPI serial protocol	BGAPI serial protocol	HCI
Host driver (NCP mode)	BGLIB™	BGLIB	BGLIB	BGLIB	BGLIB	BGLIB	Stack dependent
On-board app support	✓	✓	✓	✓	✓	✓	—
Script programming	BGScript™	BGScript	BGScript	BGScript	BGScript	BGScript	—
C programming	✓	✓	—	✓	✓	—	—
Custom BLE services	Profile Toolkit™	Profile Toolkit	Profile Toolkit	Profile Toolkit	Profile Toolkit	Profile Toolkit	—
SDK/IDE	Bluegiga SDK / Simplicity	Bluegiga SDK	Bluegiga SDK	Bluegiga SDK	Bluegiga SDK	Bluegiga SDK	Stack dependent
CERTIFICATIONS							
Certifications	Bluetooth, CE, FCC, IC, South Korea, Japan	Bluetooth, CE, FCC, IC, South Korea, Japan	Bluetooth, CE, FCC, IC, South Korea, Japan, Brazil	Bluetooth, CE, FCC, IC, South Korea, Japan	Bluetooth, CE, FCC, IC, South Korea, Japan	Bluetooth, CE, FCC, IC, South Korea, Japan	Bluetooth, CE, FCC, IC, South Korea, Japan
DIMENSIONS							
Dimensions (W x L x H)	12.9 x 15 x 2.3 mm	12 x 18 x 2.3 mm	17 x 12 x 6.5 mm	9.15 x 15.75 x 1.9 mm	14.7 x 13.0 x 1.8 mm	11.0 x 13.9 x 2.2 mm	9.3 x 13.05 x 2.3 mm

*Branded Bluegiga. Bluegiga is a Silicon Labs company. | **Line-of-sight unobstructed range measured between two identical modules | ***Dependent on stack of external host

Bluetooth Classic Modules

	WT12* CLASS 2 MODULE	WT11* CLASS 1 MODULE	WT41* LONG RANGE MODULE	WT32* CLASS 2 AUDIO MODULE
BLUETOOTH				
Version	Bluetooth 2.1 + EDR	Bluetooth 2.1 + EDR	Bluetooth 2.1 + EDR	Bluetooth 3.0
Bluetooth low energy support	—	—	—	—
BR/EDR support	✓	✓	✓	✓
RADIO				
Typical TX power	+3 dBm	+17 dBm	+19 dBm	+6.5 dBm
Typical RX sensitivity	-83 dBm	-85 dBm	-93 dBm	-90 dBm
Class	2	1	1	1.5
Typical range**	30-50 meters	200-400 meters	500-1000 meters	100-200 meters
ANTENNA OPTIONS				
Integrated chip	✓	✓	✓	✓
U.FL	—	✓	✓	✓
INTERFACES				
UART	1	1	1	1
USB	2.0 device	2.0 device	2.0 device	2.0 device
GPIO	6 configurable	6 configurable	6 configurable	10 configurable
AIO	—	1 x 8-bit	1 x 8-bit	2 x 10-bit
Debug (SPI)	1	1	1	1
AUDIO INTERFACES				
PCM	1	1	1	1
I2S	—	—	—	1
SPDIF	—	—	—	1
Analog	—	—	—	2 inputs/outputs
MICROCONTROLLER				
Architecture	16-bit RISC (XAP2)	16-bit RISC (XAP2)	16-bit RISC (XAP2)	16-bit RISC (XAP2)
RAM	48 kB	48 kB	48 kB	48 kB
Flash	8 Mbit	8 Mbit	8 Mbit	16 Mbit
DSP	—	—	—	Kalimba DSP
OPERATING VOLTAGE				
Operating voltage	2.7 - 3.6 V	2.7 - 3.6 V	2.7 - 3.6 V	1.8 - 4.4 V

	WT12* CLASS 2 MODULE	WT11* CLASS 1 MODULE	WT41* LONG RANGE MODULE	WT321* CLASS 2 AUDIO MODULE
PHYSICAL CONNECTION				
Type	solder pads	castellated edges	castellated edges	solder pads
BLUETOOTH STACK FEATURES				
Version	2.1 + EDR / 3.0	2.1 + EDR / 3.0	2.1 + EDR / 3.0	3.0
Integrated Bluetooth stack	✓	✓	✓	Yes
Secure Simple Pairing	✓	✓	✓	Yes
Connections	1-7	1-7	1-7	1-6
Host API	ASCII commands / HCI	ASCII commands / HCI	ASCII commands / HCI	ASCII commands
HCI interface	UART/USB	UART/USB	UART/USB	—
SUPPORTED PROFILES				
SPP	✓	✓	✓	✓
OBEX OPP	✓	✓	✓	✓
OBEX FTP	✓	✓	✓	✓
DUN	✓	✓	✓	✓
HID	✓	✓	✓	✓
A2DP	—	—	—	✓
AVRCP	✓	✓	✓	v. 1.5
HFP v.1.6	✓	✓	✓	✓
HSP	✓	✓	✓	✓
PBAP	✓	✓	✓	✓
HDP	✓	✓	✓	✓
MAP	✓	✓	✓	✓
DI	✓	✓	✓	✓
Apple iAP support	✓	✓	✓	iAP1 and iAP2
Over-the-Air configuration**	✓	✓	✓	✓
BGIO**	✓	✓	✓	✓
SOFTWARE DEVELOPMENT				
On-board applications	—	—	—	✓
SDK/IDE	CSR BlueLab	CSR BlueLab	CSR BlueLab	CSR BlueLab
CERTIFICATIONS				
Certifications	Bluetooth, CE, FCC, IC, South Korea, Japan, Brazil	Bluetooth, CE, FCC, IC, Japan, Brazil	Bluetooth, CE, FCC, IC, South Korea, Japan, NCC (Taiwan)	Bluetooth, CE, FCC, IC, South Korea, Japan
DIMENSIONS				
Dimensions (W x L x H)	14 x 25.6 x 2.4 mm	14.5 x 35.8 x 2.6 mm	14.5 x 35.8 x 2.6 mm	15.9 x 23.9 x 2.4 mm

*Branded Bluegiga. Bluegiga is a Silicon Labs company. | ** Line-of-sight unobstructed range measured between two identical modules



























Wi-Fi Modules

	WF111* WI-FI MODULE	WF121* WI-FI MODULE
WI-FI FEATURES		
Version	802.11 b/g/n	802.11 b/g/n
Frequency	2.4 GHz	2.4 GHz
Max. symbol rate	72.2 Mbps	72.2 Mbps
Soft AP mode	✓ (8 clients)	✓ (5 clients)
Encryption	WPA, WPA2	WEP, WPA, WPA2
RADIO PERFORMANCE		
Typical TX power	+17 dBm	+17 dBm
Typical RX sensitivity	-97 dBm	-97 dBm
Typical range **	300-500 meters	300-500 meters
ANTENNA OPTIONS		
Integrated chip	✓	✓
U.FL	✓	✓
HOST INTERFACES		
SDIO	✓	—




	WF111* WI-FI MODULE	WF121* WI-FI MODULE
CSPI	✓	—
UART	—	✓
USB	—	✓
SPI	—	✓
PERIPHERAL INTERFACES		
SPI	—	up to 2
UART	—	up to 4
USB	—	1
Ethernet RMII	—	1
I2C	—	up to 2
GPIO	6	up to 38
AIO	—	up to 10
MICROCONTROLLER		
Architecture	—	MIPS 4K
MHz	—	80 Mhz
RAM	—	128 kB (<64 kB free)
Flash	—	512 kB (<256 kB free)
AVG. CURRENT CONSUMPTION		
TX (17dBm, 802.11g)	192 mA	142 mA
RX	88 mA	127 mA
Idle, Associated to an AP	1.7 mA	6.1 mA
Sleep	70 µA	62 µA
OPERATING VOLTAGE		
Operating voltage	1.8 V and 3.3 V	2.7 V - 3.6 V
PHYSICAL CONNECTION		
Type	castellated edges	castellated edges
TCP/IP STACK FEATURES		
Integrated TCP/IP stack	—	✓
DHCP	—	✓
DNS	—	✓
TCP client	—	✓
UDP server	—	✓
ICMP server	—	✓
HTTP server	—	✓
DHCP server	—	✓
DNS server	—	✓
HOST API		
BGAPI™ binary protocol	—	✓
BGLib™ host library	—	✓
OS DRIVERS		
Linux	✓	Not needed
Windows	—	Not needed
Android	✓	Not needed
SOFTWARE DEVELOPMENT		
On-board applications	—	✓
BGScript™ support	—	✓
Native C development	—	—
SDK	—	Bluegiga SDK
CERTIFICATIONS		
Certifications	CE, FCC, IC, South Korea, Japan, Brazil	CE, FCC, IC, South Korea, Japan, Brazil
DIMENSIONS		
Dimensions (W x L x H)	12 x 19 x 2.1 mm	15.4 x 26.2 x 2.1 mm

*Branded Bluegiga. Bluegiga is a Silicon Labs company. | **Line-of-sight unobstructed range measured between two identical modules

ZigBee® and Thread Networking Systems

PART NUMBER	FLASH (KB)	RAM (KB)	DATA RATE	USB	FREQUENCY RANGE	TX POWER	ADJ CH REJECT (15.4)	ALT CH REJECT (15.4)	GPIO	DEEP SLEEP CURRENT	VOLTAGE	TEMP RANGE	RX CURRENT	TX CURRENT	PACKAGE	PROTOCOL SUPPORT
EM3581	256 kB	32 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	 
EM3582	256 kB	32 kB	250 kbps	✓	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	 
EM3585	512 kB	32 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	 
EM3586	512 kB	32 kB	250 kbps	✓	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	 
EM3587	512 kB	64 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	 
EM3588	512 kB	64 kB	250 kbps	✓	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	 
EM3591	256 kB	32 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	32	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN56	 
EM3592	256 kB	32 kB	250 kbps	✓	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	32	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN56	 
EM3595	512 kB	32 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	32	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN56	 
EM3596	512 kB	32 kB	250 kbps	✓	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	32	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN56	 
EM3597	512 kB	64 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	32	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN56	 
EM3598	512 kB	64 kB	250 kbps	✓	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	32	1.08 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN56	 
EM351	128 kB	12 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	0.4 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	
EM357	192 kB	12 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	0.4 µA (no timer)	2.1 to 3.6 V	-40° to +125 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	

EM34x ZigBee Remote Control

PART NUMBER	FLASH (KB)	RAM (KB)	DATA RATE	USB	FREQUENCY RANGE	TX POWER	ADJ CH REJECT (15.4)	ALT CH REJECT (15.4)	GPIO	DEEP SLEEP CURRENT	VOLTAGE	TEMP RANGE	RX CURRENT	TX CURRENT	PACKAGE	PROTOCOL SUPPORT
EM341	128 kB	12 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	24	0.4 µA (no timer)	2.1 to 3.6 V	-40° to +85 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	
EM342	128 kB	12 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	16	0.4 µA (no timer)	2.1 to 3.6 V	-40° to +85 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	
EM346	192 kB	12 kB	250 kbps	—	2400 - 2500 MHz	-55 dBm to +8 dBm (boost)	35 dB	46 dB	16	0.4 µA (no timer)	2.1 to 3.6 V	-40° to +85 °C	26.5 mA (normal)	31 mA (normal @ +3 dBm)	QFN48	

EZRadiio® Universal ISM Band RF ICs

PART NUMBER	MODULATION SCHEME (MAX KBPS)		FREQUENCY RANGE (MHZ)				OUTPUT POWER MAX (DBM)		SUPPLY VOLTAGE (V)	SENSITIVITY (DBM)	TYPE	PACKAGE
	FSK	OOK	315	434	868	915	868 MHZ BAND	434 MHZ BAND				
Si4055	500	120	✓	✓	✓	✓	12	13	1.8 - 3.6	—	TX	QFN20
Si4355	500	120	✓	✓	✓	✓	—	—	1.8 - 3.6	-116	RX	QFN20
Si4356	120	120	✓	✓	✓	✓	—	—	1.8 - 3.6	-113	RX	QFN20
Si4455	500	120	✓	✓	✓	✓	12	13	1.8 - 3.6	-116	TRX	QFN20

EZRadiioPRO® Enhanced Feature Universal ISM Band RF ICs

PART NUMBER	MODULATION SCHEME (MAX KBPS)		FREQUENCY RANGE (MHZ)	OUTPUT POWER RANGE (DBM)	TX CURRENT (DBM)				RX CURRENT (MA)	SENSITIVITY (DBM)		TYPE	PACKAGE
	FSK	OOK			0	+11	+13	+20		SDF2.0 KBPS FSK	4.8 KBPS OOK		
Si4060	1000	120	142 - 1050 Major Bands	-40 to +13	18	—	—	—	—	—	TX	QFN20	
Si4063	1000	120	142 - 1050 Major Bands	-20 to +20	—	—	—	85	—	—	TX	QFN20	
Si4362	1000	120	142 - 1050 Major Bands	—	—	—	—	10/13 mA	-124	-112	RX	QFN20	

PART NUMBER	MODULATION SCHEME (MAX KBPS)		FREQUENCY RANGE (MHZ)	OUTPUT POWER RANGE (DBM)	TX CURRENT (DBM)				RX CURRENT (MA)	SENSITIVITY (DBM)		TYPE	PACKAGE
	FSK	OOK			0	+11	+13	+20		SDF2.0 KBPS FSK	4.8 KBPS OOK		
Si4438	500	120	425 - 525	-20 to +20					14 mA	-121	-110	TRX	QFN20
Si4460	1000	120	142 - 1050 Major Bands	-40 to +13		18	25	75	10/13 mA	-124	-112	TRX	QFN20
Si4461	1000	120	142 - 1050 Major Bands	-30 to +16			31		10/13 mA	-124	-112	TRX	QFN20
Si4463	1000	120	142 - 1050 Major Bands	-20 to +20				85	10/13 mA	-124	-112	TRX	QFN20
Si4464	1000	120	119 - 960 Banded	-20 to +20				85	10/13 mA	-124	-112	TRX	QFN20
Si4467	1000	120	142 - 1050 Major Bands	-40 to +13				85	10/13 mA	-124	-112	TRX	QFN20
Si4468	1000	120	142 - 1050 Major Bands	-20 to +20				85	10/13 mA	-124	-112	TRX	QFN20

EZR32® 32-bit Sub-GHz Wireless MCUs

PART NUMBER	FLASH (KB)	RAM (KB)	MHZ	DIG I/O PINS	TIMERS (16-BIT)	COMMUNICATION	ADC	MODULATION SCHEME (MAX kbps)		OUTPUT POWER	TEMP SENSOR	COMP.	TX CURRENT		PACKAGE
								FSK	OOK				+11/+20 DBM	+13 DBM	
EZR32LG230F64R55G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32LG230F64R60G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32LG230F64R61G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32LG230F64R63G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F64R67G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F64R68G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F64R69G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F128R55G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1M sps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32LG230F128R60G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32LG230F128R61G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32LG230F128R63G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F128R67G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F128R68G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F128R69G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F256R55G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32LG230F256R60G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32LG230F256R61G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32LG230F256R63G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F256R67G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F256R68G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG230F256R69G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F64R55G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32LG330F64R60G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32LG330F64R61G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32LG330F64R63G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F64R67G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F64R68G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64

PART NUMBER	FLASH (KB)	RAM (KB)	MHZ	DIG I/O PINS	TIMERS (16-BIT)	COMMUNICATION	ADC	MODULATION SCHEME (MAX kbps)		OUTPUT POWER	TEMP SENSOR	COMP.	TX CURRENT		PACKAGE
								FSK	OOK				+11/+20 DBM	+13 DBM	
EZR32LG330F64R69G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F128R55G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32LG330F128R60G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32LG330F128R61G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32LG330F128R63G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F128R67G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F128R68G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F128R69G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F256R55G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32LG330F256R60G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32LG330F256R61G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32LG330F256R63G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F256R67G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F256R68G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32LG330F256R69G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F64R55G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18mA (at +10dBm)	24 mA	QFN64
EZR32WG230F64R60G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32WG230F64R61G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32WG230F64R63G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F64R67G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F64R68G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F64R69G	64 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F128R55G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32WG230F128R60G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32WG230F128R61G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32WG230F128R63G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F128R67G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F128R68G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F128R69G	128 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F256R55G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32WG230F256R60G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32WG230F256R61G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32WG230F256R63G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F256R67G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F256R68G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG230F256R69G	256 KB	32	48	41	4	2 x I2C; 2 x SPI; 2 x UART; 2 x LEUART	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F64R55G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32WG330F64R60G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64

PART NUMBER	FLASH (KB)	RAM (KB)	MHZ	DIG I/O PINS	TIMERS (16-BIT)	COMMUNICATION	ADC	MODULATION SCHEME (MAX kbps)		OUTPUT POWER	TEMP SENSOR	COMP.	TX CURRENT		PACKAGE
								FSK	OOK				+11/+20 DBM	+13 DBM	
EZR32WG330F64R61G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32WG330F64R63G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F64R67G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F64R68G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F64R69G	64 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F128R55G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10dBm)	24 mA	QFN64
EZR32WG330F128R60G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32WG330F128R61G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32WG330F128R63G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F128R67G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F128R68G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F128R69G	128 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F256R55G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	500 kbps	120 kbps	13 dBm	✓	2	18 mA (at +10 dBm)	24 mA	QFN64
EZR32WG330F256R60G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	18 mA/—	25 mA	QFN64
EZR32WG330F256R61G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-30 to +16	✓	2	—/—	31 mA	QFN64
EZR32WG330F256R63G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F256R67G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-40 to +13	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F256R68G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64
EZR32WG330F256R69G	256 KB	32	48	38	4	2 x I2C; 2 x SPI; UART; 2 x LEUART; USB	12-bit, 8-ch, 1Msps	1000 kbps	120 kbps	-20 to +20	✓	2	—/85 mA	44 mA	QFN64

8-bit Sub-GHz Wireless MCUs

PART NUMBER	FLASH (KB)	RAM (KB)	MHZ	DIG I/O PINS	TIMERS (16-BIT)	COMMUNICATION	ADC 1	MODULATION SCHEME (MAX KBPS)		OUTPUT POWER	TEMP SENSOR	COMP.	TX CURRENT (DBM)		PACKAGE
								FSK	OOK				+11/+20	+13	
Si1060	64 KB	4	25	15	4	I2C; SPI; UART	10-bit, 18-ch., 300 ksps	512	120	-20 to +20	✓	2	18 mA/85 mA	29 mA	QFN36
Si1061	32 KB	4	25	15	4	I2C; SPI; UART	10-bit, 18-ch., 300 ksps	512	120	-20 to +20	✓	2	18 mA/85 mA	29 mA	QFN36
Si1062	64 KB	4	25	15	4	I2C; SPI; UART	10-bit, 18-ch., 300 ksps	512	120	-40 to +13	✓	2	18 mA	29 mA	QFN36
Si1063	32 KB	4	25	15	4	I2C; SPI; UART	10-bit, 18-ch., 300 ksps	512	120	-40 to +13	✓	2	18 mA	29 mA	QFN36
Si1064	64 KB	4	25	15	4	I2C; SPI; UART	10-bit, 15-ch., 300 ksps	512	120	-40 to +13	✓	2	18 mA	29 mA	QFN36
Si1065	32 KB	4	25	15	4	I2C; SPI; UART	10-bit, 18-ch., 300 ksps	512	120	-40 to +13	✓	2	18 mA	29 mA	QFN36
Si1080	16 KB	0.7	25	15	4	I2C; SPI; UART	10-bit, 18-ch., 300 ksps	512	120	-20 to +20	✓	2	18 mA/85 mA	29 mA	QFN36
Si1081	8 KB	0.7	25	15	4	I2C; SPI; UART	10-bit, 18-ch., 300 ksps	512	120	-20 to +20	✓	2	18 mA/85 mA	29 mA	QFN36
Si1082	16 KB	0.7	25	15	4	I2C; SPI; UART	10-bit, 18-ch., 300 ksps	512	120	-40 to +13	✓	2	18 mA	29 mA	QFN36
Si1083	8 KB	0.7	25	15	4	I2C; SPI; UART	10-bit, 15-ch., 300 ksps	512	120	-40 to +13	✓	2	18 mA	29 mA	QFN36
Si1084	16 KB	0.7	25	15	4	I2C; SPI; UART	10-bit, 15-ch., 300 ksps	512	120	-40 to +13	✓	2	18 mA	29 mA	QFN36
Si1085	8 KB	0.7	25	15	4	I2C; SPI; UART	10-bit, 15-ch., 300 ksps	512	120	-40 to +13	✓	2	18 mA	29 mA	QFN36

8-bit Sub-GHz Wireless MCUs (TX only)

PART NUMBER	FREQUENCY RANGE (MHZ)	OTP (KB)	RAM (KB)	MODULATION SCHEME (MAX KBPS)		TX CURRENT (@10 DBM)		OUTPUT POWER MAX (DBM)	SUPPLY VOLTAGE (V)	TYPE	PACKAGE
				FSK	OOK	FSK	OOK				
Si4010	27 - 960	8	4	100	50	20 mA	14 mA	10	1.8 - 3.6	TX	MSOP, SOIC
Si4012	27 - 960	N/A	N/A	100	50	20 mA	14 mA	10	1.8 - 3.6	TX	MSOP



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Optical Sensors

PART NUMBER	DESCRIPTION	UV INDEX	LED DRIVERS	GESTURE/MOTION SENSING	ALS	INTERFACE	PACKAGE	DEV KIT
Si1102-A-GM	Proximity Sensor	—	1	—	—	Digital On/Off	ODFN8	Si1102EK
Si1120-A-GM	Proximity + Ambient Light Sensor	—	1	Motion Sensing	✓	PWM	ODFN8	Si1120EK
Si1132	UV Index + Ambient Light Sensor	✓	—	—	✓	I ² C	QFN10	UVIRSLIDER2EK
Si1141	Proximity + Ambient Light Sensor	—	1	Motion Sensing	✓	I ² C	QFN10	Si1140DK
Si1142	Proximity + Ambient Light Sensor	—	2	2D Gesture Sensing	✓	I ² C	QFN10	Si1140DK
Si1143	Proximity + Ambient Light Sensor	—	3	3D Gesture Sensing	✓	I ² C	QFN10	Si1140DK
Si1145	UV + Proximity + Ambient Light Sensor	✓	1	Motion Sensing	✓	I ² C	QFN10	UVIRSLIDER2EK
Si1146	UV + Proximity + Ambient Light Sensor	✓	2	2D Gesture Sensing	✓	I ² C	QFN10	UVIRSLIDER2EK
Si1147	UV + Proximity + Ambient Light Sensor	✓	3	3D Gesture Sensing	✓	I ² C	QFN10	UVIRSLIDER2EK

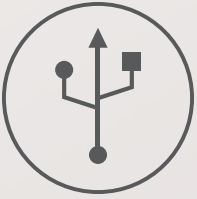
Single-Chip Relative Humidity and Temperature Sensors

PART NUMBER	DESCRIPTION	TEMP. ACCURACY (MAX)	RH ACCURACY (MAX)	TEMP. RANG	FILTER COVER	PACKAGE TYPE
Si7005-B-FM	Not Rec for New Designs - Use Si7020	±1 °C	±4.5%	0 to 70 °C	—	QFN24
Si7005-B-FM1	Not Rec for New Designs - Use Si7020	±1 °C	±4.5%	0 to 70 °C	✓	QFN24
Si7005-B-GM	Not Rec for New Designs - Use Si7020	±1 °C	±4.5%	-40 to 85 °C	—	QFN24
Si7005-B-GM1	Not Rec for New Designs - Use Si7020	±1 °C	±4.5%	-40 to 85 °C	✓	QFN24
Si7006-A20-IM	Dig I ² C 4% RH + Temp Sensor	±1 °C	±5%	-40 to 125 °C	—	DFN6
Si7006-A20-IM1	Dig I ² C 4% RH + Temp Sensor + Cover	±1 °C	±5%	-40 to 125 °C	✓	DFN6
Si7007-A20-IM	Dig PWM 4% RH + Temp Sensor	±1 °C	±5%	-40 to 125 °C	—	DFN6
Si7007-A20-IM1	Dig PWM 4% RH + Temp Sensor +Cover	±1 °C	±5%	-40 to 125 °C	✓	DFN6
Si7013-A20-GM	Dig I ² C 2% RH + 2-Zone Temp Sensor	±0.4 °C	±3%	-40 to 85 °C	—	DFN10
Si7013-A20-GM1	Dig I ² C 2% RH + 2-Zone Temp Sensor + Cover	±0.4 °C	±3%	-40 to 85 °C	✓	DFN10
Si7013-A20-IM	Dig I ² C 2% RH + 2-Zone Temp Sensor	±0.4 °C	±3%	-40 to 125 °C	—	DFN10
Si7013-A20-IM1	Dig I ² C 2% RH + 2-Zone Temp Sensor + Cover	±0.4 °C	±3%	-40 to 125 °C	✓	DFN10
Si7015-A20-FM	Not Rec for New Designs - Use Si7020	±1 °C	±4.5%	0 to 70 °C	—	QFN24
Si7015-A20-GM	Not Rec for New Designs - Use Si7020	±1 °C	±4.5%	-40 to 85 °C	—	QFN24
Si7020-A20-GM	Dig I ² C 3% RH + Temp Sensor	±0.4 °C	±4%	-40 to 85 °C	—	DFN6
Si7020-A20-GM1	Dig I ² C 3% RH + Temp Sensor + Cover	±0.4 °C	±4%	-40 to 85 °C	✓	DFN6
Si7020-A20-IM	Dig I ² C 3% RH + Temp Sensor	±0.4 °C	±4%	-40 to 125 °C	—	DFN6
Si7020-A20-IM1	Dig I ² C 3% RH + Temp Sensor + Cover	±0.4 °C	±4%	-40 to 125 °C	✓	DFN6
Si7021-A20-GM	Dig I ² C 2%RH + Temp Sensor	±0.4 °C	±3%	-40 to 85 °C	—	DFN6
Si7021-A20-GM1	Dig I ² C 2% RH + Temp Sensor + Cover	±0.4 °C	±3%	-40 to 85 °C	✓	DFN6
Si7021-A20-IM	Dig I ² C 2% RH + Temp Sensor	±0.4 °C	±3%	-40 to 125 °C	—	DFN6
Si7021-A20-IM1	Dig I ² C 2% RH + Temp Sensor + Cover	±0.4 °C	±3%	-40 to 125 °C	✓	DFN6
Si7022-A20-IM	Dig PWM 3% RH + Temp Sensor	±0.4 °C	±4%	-40 to 125 °C	—	DFN6
Si7022-A20-IM1	Dig PWM 3% RH + Temp Sensor + Cover	±0.4 °C	±4%	-40 to 125 °C	✓	DFN6
Si7023-A20-IM	Dig PWM 2% RH + Temp Sensor	±0.4 °C	±3%	-40 to 125 °C	—	DFN6

PART NUMBER	DESCRIPTION	TEMP. ACCURACY (MAX)	RH ACCURACY (MAX)	TEMP. RANG	FILTER COVER	PACKAGE TYPE
Si7023-A20-IM1	Dig PWM 2% RH + Temp Sensor + Cover	±3%	±3%	-40 to 125 °C	✓	DFN6
Si7034-A10-IM	Dig I ² C 3% RH + Temp Sensor	±4%	±4%	-40 to 125 °C	—	QFN6

PART NUMBER	DESCRIPTION	TEMP. ACCURACY (TYP)	TEMP. ACCURACY (MAX)	TEMP. RANG	PACKAGE TYPE
Si7050	Digital I ² C Temperature Sensor	±0.5 °C	±1.0 °C	-40 to 125 °C	DFN6
Si7053	Digital I ² C Temperature Sensor	±0.2 °C	±0.3 °C	-40 to 125 °C	DFN6
Si7054	Digital I ² C Temperature Sensor	±0.3 °C	±0.4 °C	-40 to 125 °C	DFN6
Si7055	Digital I ² C Temperature Sensor	±0.4 °C	±0.5 °C	-40 to 125 °C	DFN6





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Ethernet Controllers

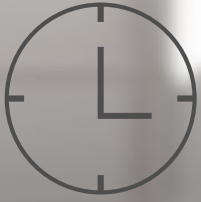
PART NUMBER	LEDS	TEMP RANGE	TRANSCEIVER	PACKAGE TYPE	PACKAGE SIZE	FLASH	PARALLEL HOST INTF SPEED	PARALLEL HOST INTF	AUTO-NEGOTIATION	MAC ADDRESS	RAM SIZE
CP2200	Separate link and activity	-40 to 85 °C	Included	TQFP48	9x9 mm	8 kB	30 Mbps	8-bit non-multiplexed EMIF	✓	✓	2 kB TX buffer; 4 kB RX buffer
CP2201	Combined link and activity	-40 to 85 °C	Included	QFN28	5x5 mm	8 kB	25 Mbps	8-bit multiplexed EMIF	✓	✓	2 kB TX buffer; 4 kB RX buffer

Ultra-Low Power LCD Controllers

PART NUMBER	TIMERS (16-BIT)	INTERNAL OSCILLATOR	TEMP RANGE	OTHER	PACKAGE TYPE	PACKAGE SIZE	RAM	LCD SEGMENTS	DIG I/O PINS	COMMUNICATIONS
CP2400-GM	2	•	-40 to 85 °C	Ultra-low power mode	QFN48	7x7 mm	256	128	36	SPI
CP2400-GQ	2	•	-40 to 85 °C	Ultra-low power mode	TQFP48	9x9 mm	256	128	36	SPI
CP2401-GM	2	•	-40 to 85 °C	Ultra-low power mode	QFN48	7x7 mm	256	128	36	I ² C
CP2401-GQ	2	•	-40 to 85 °C	Ultra-low power mode	TQFP48	9x9 mm	256	128	36	I ² C
CP2402-GM	2	•	-40 to 85 °C	Ultra-low power mode	QFN32	5x5 mm	256	64	20	SPI
CP2403-GM	2	•	-40 to 85 °C	Ultra-low power mode	QFN32	5x5 mm	256	64	20	I ² C

USB Connectivity Bridges

PART NUMBER	OTHERS	PACKAGE TYPE	PACKAGE SIZE	DIG I/O PINS	INTERNAL OSCILLATOR	COMMUNICATIONS	EEPROM	FIFO
CP2101	VREG	QFN28	5x5 mm	—	✓	USB to UART Bridge	512	1 kB
CP2102	VREG	QFN28	5x5 mm	—	✓	USB to UART Bridge	1024	1 kB
CP2103	RS485; VREG	QFN28	5x5 mm	4	✓	USB to UART Bridge	1024	1 kB
CP2104	RS485; Split VDDIO; VREG	QFN24	4x4 mm	4	✓	UART to UART Bridge	1024	1152 B
CP2105	RS485; Split VDDIO; VREG	QFN24	4x4 mm	5	✓	USB to Dual UART Bridge	296	608 B
CP2108	RS485	QFN64	9x9 mm	16	✓	USB to Quad UART Bridge	1024	1536 B
CP2109	VREG	QFN28	5x5 mm	—	✓	UART to UART Bridge	1024	1 kB
CP2110	RS485; Split VDDIO; VREG	QFN24	4x4 mm	10	✓	HID USB to UART Bridge	343	960 B
CP2112	VREG	QFN24	4x4 mm	8	✓	HID USB to SMBus/I ² C Bridge	194	512 B
CP2114	VREG	QFN32	5x5 mm	12	✓	USB Audio to I2S Audio Bridge	352	512 B
CP2130	Split VDDIO; VREG	QFN24	4x4 mm	11	✓	USB to SPI Bridge	348	320 B
CP2614	Apple MFI Lightning	QFN32	5x5 mm	16	✓	Apple Lightning to I2S Audio Bridge	—	—
CP2120	Voltage Monitor	QFN20	4x4 mm	8	✓	SPI to I ² C	512	—



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Crystal Oscillator (XO)

PART NUMBER	NUMBER OF FREQUENCIES	FREQUENCY RANGE	JITTER (PS RMS)	STABILITY/APR (PPM)	FORMAT	VOLTAGE (V)	TEMP RANGE	PACKAGE SIZE (MM)
Si535/36	Single	select freq. 100 - 312.5 MHz	0.2	±20, ±31.5	LVDS, LVPECL	3.3, 2.5	-40 to 85 °C	5 x 7
Si530/31	Single	10 - 1417 MHz	0.3	±20, ±31.5, ±61.5	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si532/33	Dual	10 - 1417 MHz	0.3	±20, ±31.5, ±61.5	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si534	Quad	10 - 1417 MHz	0.3	±20, ±31.5, ±61.5	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si570	Any (I ² C Prog)	10 - 1417 MHz	0.3	±20, ±31.5, ±61.5	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si590/91	Single	10 - 810 MHz	0.5	±20, ±30, ±50, ±100	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si598	Any (I ² C Prog)	10 - 810 MHz	0.5	±20, ±30, ±50, ±100	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si510/11	Single	0.1 - 250 MHz	0.8	±30, ±50, ±100	CMOS, Dual CMOS, LVPECL, LVDS, HCSL	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7, 3.2 x 5
Si512/13	Dual	0.1 - 250 MHz	0.8	±30, ±50, ±100	CMOS, Dual CMOS, LVPECL, LVDS, HCSL	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7, 3.2 x 5
Si514	Any (I ² C Prog)	0.1 - 250 MHz	0.8	±30, ±50, ±100	CMOS, Dual CMOS, LVPECL, LVDS, HCSL	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7, 3.2 x 5

Voltage-Controlled Oscillator (VCXO)

PART NUMBER	NUMBER OF CENTER FREQUENCIES	FREQUENCY RANGE	JITTER (PS RMS)	STABILITY/APR (PPM)	FORMAT	VOLTAGE (V)	TEMP RANGE	PACKAGE SIZE (MM)
Si550	Single	10 - 1417 MHz	0.5	±12 to ±375	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si552	Dual	10 - 1417 MHz	0.5	±12 to ±375	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si554	Quad	10 - 1417 MHz	0.5	±12 to ±375	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si571	Any (I ² C Prog)	10 - 1417 MHz	0.5	±12 to ±375	CMOS, LVPECL, LVDS, CML	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si595	Single	10 - 810 MHz	0.7	±10 to ±370	CMOS, LVPECL, LVDS, CM	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si597	Quad	10 - 810 MHz	0.7	±10 to ±370	CMOS, LVPECL, LVDS, CM	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si599	Any (I ² C Prog)	10 - 810 MHz	0.7	±10 to ±370	CMOS, LVPECL, LVDS, CM	3.3, 2.5, 1.8	-40 to 85 °C	5 x 7
Si515	Single	0.1 - 250 MHz	1.0	±30 to ±100	CMOS, Dual CMOS, LVPECL, LVDS, HCSL	3.3 2.5	-40 to 85 °C	5 x 7 3.2 x 5
Si516	Dual	0.1 - 250 MHz	1.0	±30 to ±100	CMOS, Dual CMOS, LVPECL, LVDS, HCSL	3.3 2.5	-40 to 85 °C	5 x 7 3.2 x 5

Universal Clock Buffers

PART NUMBER	CLOCK INPUT/ OUTPUTS	ADDITIVE JITTER (RMS)	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	VDD (V)	VDDO (V)	OUTPUT	PACKAGE
Si53306	1/4	45 fs	1 - 725 MHz	1 - 725 MHz	1.8, 2.5, 3.3	1.2, 1.8, 2.5, 3.3	LVPECL, LVDS, HCSL, LVCMOS, CML	QFN16
Si53301	2/6	45 fs	1 - 725 MHz	1 - 725 MHz	1.8, 2.5, 3.3	1.2, 1.8, 2.5, 3.3	LVPECL, LVDS, HCSL, LVCMOS, CML	QFN32
Si53302	2/10	45 fs	1 - 725 MHz	1 - 725 MHz	1.8, 2.5, 3.3	1.2, 1.8, 2.5, 3.3	LVPECL, LVDS, HCSL, LVCMOS, CML	QFN44
Si53320	2/10	45 fs	1 - 725 MHz	1 - 725 MHz	2.5, 3.3	2.5, 3.3	LVPECL	TSSOP20
Si53321	2/10	45 fs	DC - 1250 MHz	DC - 1250 MHz	2.5, 3.3	2.5, 3.3	LVPECL	QFN32, QFP32
Si53322	1/2	45 fs	DC - 1250 MHz	DC - 1250 MHz	2.5, 3.3	2.5, 3.3	LVPECL	QFN16
Si53323	2/4	45 fs	DC - 1250 MHz	DC - 1250 MHz	2.5, 3.3	2.5, 3.3	LVPECL	QFN16
Si53340	2/4	45 fs	DC - 1250 MHz	DC - 1250 MHz	1.8, 2.5, 3.3	1.8, 2.5, 3.3	LVDS	QFN16
Si53360	1/8	100 fs	1 - 200 MHz	1 - 200 MHz	1.8, 2.5, 3.3	1.8, 2.5	LVCMOS	TSSOP16
Si5330	1/4	150 fs	5 - 710 MHz	5 - 710 MHz	1.8, 2.5, 3.3	1.8, 2.5, 3.3	LVPECL, LVDS, HCSL, SSTL, HSTL	QFN24
SL18860DC	1/3	—	10 - 52 MHz	10 - 52 MHz	1.8, 2.5, 3.3	—	LVCMOS (TCXO)	TDFN10
SL2304NZ	1/4	—	1 - 140 MHz	1 - 140 MHz	3.3	—	LVCMOS	8TSSOP/8SOIC

PART NUMBER	CLOCK INPUT/ OUTPUTS	ADDITIVE JITTER (RMS)	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	VDD (V)	VDDO (V)	OUTPUT	PACKAGE
SL23EP04NZ	1/4	—	DC - 220 MHz	DC - 220 MHz	2.5 V, 3.3	—	LVC MOS	TSSOP8
SL2305NZ	1/5	—	1 - 140 MHz	1 - 140 MHz	3.3	—	LVC MOS	TSSOP8/SOIC8
SL2309NZ	1/9	—	DC - 140 MHz	DC - 140 MHz	3.3	3.3	LVC MOS	SOIC16
SL23EP09NZ	1/9	—	1 - 220 MHz	1 - 220 MHz	2.5 V, 3.3 V	—	LVC MOS	TSSOP16/SOIC16

PCI Express (PCIe) Buffers / Zero Delay Buffers

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PHASE JITTER (RMS)	VDD	VDDO	OUTPUT	PACKAGE
Si53106	Pin/I ² C	1 / 6	100/133 MHz	133 MHz	0.6 ps	—	—	Push-Pull HCSL	QFN40
Si53108	Pin/I ² C	1 / 8	100/133 MHz	133 MHz	0.45 ps	—	—	Push-Pull HCSL	QFN48
Si53112	Pin/I ² C	1 / 12	100/133 MHz	133 MHz	0.45 ps	—	—	Push-Pull HCSL	QFN64
Si53115	Pin/I ² C	1 / 15	100/133 MHz	133 MHz	0.45 ps	—	—	Push-Pull HCSL	QFN64
Si53119	Pin/I ² C	1 / 19	100/133 MHz	133 MHz	0.5 ps	—	—	Push-Pull HCSL	QFN72
Si53019	Pin/I ² C	1 / 19	100/133 MHz	133 MHz	0.6 ps	—	—	Constant Current HCSL	QFN72
Si53102	—	1/2	100 MHz	100 MHz	0.2 ps	2.5, 3.3 V	—	Push-Pull HCSL	TDFN8
Si53152	Pin/I ² C	1/2	100 MHz	100 MHz	0.1 ps	3.3 V	3.3 V	Push-Pull HCSL	QFN24
Si53154	Pin/I ² C	1/4	100 MHz	100 MHz	0.1 ps	3.3 V	3.3 V	Push-Pull HCSL	QFN24
Si53156	Pin/I ² C	1/6	100 MHz	100 MHz	0.1 ps	3.3 V	3.3 V	Push-Pull HCSL	QFN32
Si53159	Pin/I ² C	1/9	100 MHz	100 MHz	0.1 ps	3.3 V	3.3 V	Push-Pull HCSL	QFN48

LVC MOS Zero Delay Buffers

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PHASE JITTER (RMS)	VDD	VDDO	OUTPUT	PACKAGE
SL2305	Pin	1/5	10 - 140 MHz	10 - 140 MHz	—	3.3 V	—	LVC MOS	TSSOP8/SOIC8
SL2309	Pin	1/9	10 - 140 MHz	10 - 140 MHz	—	3.3 V	—	LVC MOS	TSSOP16/SOIC16
SL23EP04	Pin	1/4	10 - 220 MHz	10 - 220 MHz	—	2.5 V, 3.3 V	—	LVC MOS	SOIC8
SL23EP05	Pin	1/5	10 - 220 MHz	10 - 220 MHz	—	2.5 V, 3.3 V	—	LVC MOS	TSSOP8/SOIC8
SL23EP08	Pin	1/8	10 - 220 MHz	10 - 220 MHz	—	2.5 V, 3.3 V	—	LVC MOS	TSSOP16/SOIC16
SL23EP09	Pin	1/9	10 - 220 MHz	10 - 220 MHz	—	2.5 V, 3.3 V	—	LVC MOS	TSSOP16/SOIC16

Any-Frequency, Any-Output CMOS Clock Generators (Si5350A/C, Si5351A/C)

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PERIOD JITTER (PP)	VDD	VDDO	OUTPUT	PACKAGE
Si5350A	Pin	1 / 3 or 8	25/27 (Xtal)	2.5 kHz - 200 MHz	70 ps	2.5, 3.3 V	1.8 V, 2.5, 3.3 V	LVC MOS	MSOP10, QFN20
Si5350C	Pin	1 / 3 or 8	10 - 100 (Clock), 25/27 (Xtal)	2.5 kHz - 200 MHz	70 ps	2.5, 3.3 V	1.8 V, 2.5, 3.3 V	LVC MOS	MSOP10, QFN20
Si5351A	I ² C	1 / 3 or 8	25/27 (Xtal)	2.5 kHz - 200 MHz	70 ps	2.5, 3.3 V	1.8, 2.5, 3.3 V	LVC MOS	MSOP10, QFN20
Si5351C	I ² C	1 / 3 or 8	10 - 100 (Clock), 25/27 (Xtal)	2.5 kHz - 200 MHz	70 ps	2.5, 3.3 V	1.8, 2.5, 3.3 V	LVC MOS	MSOP10, QFN20

Any-Frequency CMOS Clock Generators with Integrated VCXOs (Si5350B, Si5351B)

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PERIOD JITTER (PP)	VDD	VDDO	OUTPUT	PACKAGE
Si5350B	Pin	1 / 3 or 8	25/27 (Xtal)VCXO	2.5 kHz - 200 MHz	70 ps	2.5, 3.3 V	1.8, 2.5, 3.3 V	LVC MOS	MSOP10, QFN20

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PERIOD JITTER (PP)	VDD	VDDO	OUTPUT	PACKAGE
Si5351B	I ² C	1/8	25/27 (Xtal)VCXO	2.5 kHz - 200 MHz	70 ps	2.5, 3.3 V	1.8, 2.5, 3.3 V	LVC MOS	QFN20

Any-Frequency, Any-Output Differential/CMOS Clock Generators (Si5340/41, Si5335/38)

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PHASE JITTER (RMS)	VDD (V)	VDDO (V)	OUTPUT	PACKAGE
Si5340	I ² C	1/4	10 - 750 (Clock), 25, 48-54 (Crystal)	100 Hz - 712.5 MHz	0.1 ps	1.8, 2.5, 3.3	1.8, 2.5, 3.3	LVC MOS, LVDS, LVPECL, HC SL, SSTL, HSTL, CML	QFN44
Si5341	I ² C	1/10	10 - 750 (Clock), 25, 48-54 (Crystal)	100 Hz - 712.5 MHz	0.1 ps	1.8, 2.5, 3.3	1.8, 2.5, 3.3	LVC MOS, LVDS, LVPECL, HC SL, SSTL, HSTL, CML	QFN64
Si5335	Pin	1/4	10 - 350 (Clock), 25/27 (Xtal)	1 - 350 MHz	1.0 ps	1.8, 2.5, 3.3	1.8, 2.5, 3.3	LVC MOS, LVDS, LVPECL, HC SL, SSTL, HSTL, CML	QFN24
Si5338	I ² C	1/4	5 - 710 (Clock), 8 - 30 (Xtal)	0.16 - 710 MHz 0.16 - 350 MHz 0.16 - 200 MHz	1.0 ps	1.8, 2.5, 3.3	1.8, 2.5, 3.3	LVC MOS, LVDS, LVPECL, HC SL, SSTL, HSTL, CML	QFN24

PCI Express Clock Generators (PCIe)

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PHASE JITTER (RMS)	VDD	VDDO	OUTPUT	PACKAGE
Si52111	—	1/1	25 MHz	100 MHz	1.0 ps	3.3 V	3.3 V	HC SL	TDFN10
Si52112	—	1/2	25 MHz	100 MHz	1.0 ps	3.3 V	3.3 V	HC SL	TDFN10
Si52142	Pin/I ² C	1/3	25 MHz	100 MHz, 25 MHz	1.0 ps	3.3 V	3.3 V	HC SL, LVC MOS	QFN24
Si52143	Pin/I ² C	1/5	25 MHz	100 MHz, 25 MHz	1.0 ps	3.3 V	3.3 V	HC SL, LVC MOS	QFN24
Si52144	Pin/I ² C	1/4	25 MHz	100 MHz	1.0 ps	3.3 V	3.3 V	HC SL	QFN24
Si52146	Pin/I ² C	1/6	25 MHz	100 MHz	1.0 ps	3.3 V	3.3 V	HC SL	QFN32
Si52147	Pin/I ² C	1/9	25 MHz	100 MHz	1.0 ps	3.3 V	3.3 V	HC SL	QFN48
Si5335	Pin	1/4	10 - 350 (Clock), 25/27 (Xtal)	1 - 350 MHz	1.0 ps	1.8, 2.5, 3.3 V	1.8, 2.5, 3.3 V	LVC MOS, LVDS, LVPECL, HC SL, SSTL, HSTL, CML	QFN24
Si5338	I ² C	1/4	5 - 710 (Clock), 8 - 30 (Xtal)	0.16 - 710 MHz	1.0 ps	1.8, 2.5, 3.3 V	1.8, 2.5, 3.3 V	LVPECL, LVDS, LVC MOS, HC SL, SSTL, HSTL	QFN24

Embedded Intel x86 Clock Generators

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	VDD	VDDO	OUTPUT	PACKAGE
SL28EB717	Pin/I ² C	1/13	25 MHz	12 MHz, 14.318 MHz, 25 MHz, 33 MHz, 48 MHz, 75 MHz, 96 MHz, 83.33 MHz-166 MHz, 100 MHz	3.3 V	3.3 V	LVC MOS, HC SL	48QFN
SL28EB740	Pin/I ² C	1/16	25 MHz	12 MHz, 14.318 MHz, 25 MHz, 33 MHz, 48 MHz, 75 MHz, 96 MHz, 83.33 MHz-166 MHz, 100 MHz	3.3 V	3.3 V	LVC MOS, HC SL	TSSOP56
SL28EB742	Pin/I ² C	1/16	14.318 MHz	14.3 MHz, 18 MHz, 33 MHz, 48 MHz, 96 MHz, 100 MHz, 133 MHz, 166 MHz	3.3 V	3.3 V	LVC MOS, HC SL	QFN56
SL28748	I ² C	1/7	14.318 MHz	14.3 MHz, 27 MHz, 96 MHz, 100 MHz, 133 MHz	3.3 V	3.3 V	LVC MOS, HC SL	QFN32

Tiny IoT Clock Generators

PART NUMBER	CONTROL	CLOCK INPUT/ OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PERIOD JITTER (PP)	VDD	VDDO	OUTPUT	PACKAGE
Si51210	Pin	1/2	3 - 166 (Clock), 8 - 48 (Xtal)	3 to 200 MHz	—	2.5 to 3.3 V	—	LVC MOS	TDFN6
Si51211	Pin	1/3	3 - 166 (Clock), 8 - 48 (Xtal)	3 to 200 MHz	—	2.5 to 3.3 V	1.8, 2.5, 3.3 V	LVC MOS	TDFN8
Si51214	Pin	1/2	3 - 166 (Clock), 8 - 48 (Xtal)	3 to 133 MHz	—	1.8 V	—	LVC MOS	TDFN6
Si51218	Pin	1/3	3 - 166 (Clock), 8 - 48 (Xtal)	32 kHz to 200 MHz	—	2.5 to 3.3 V	1.8, 2.5, 3.3 V	LVC MOS	TDFN8

PART NUMBER	CONTROL	CLOCK INPUT/OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PERIOD JITTER (PP)	VDD	VDDO	OUTPUT	PACKAGE
Si51219	Pin	1/3	3 - 166 (Clock), 8 - 48 (Xtal)	3 to 200 MHz	—	2.5 to 3.3 V	1.8, 2.5, 3.3 V	LVCMOS	TSSOP8

EMI Reduction Clock Generators

PART NUMBER	CONTROL	CLOCK INPUT/OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	PHASE JITTER (RMS)	VDD	VDDO	OUTPUT	PACKAGE
SL16020DC	Pin/I ² C	1/2	27 (Xtal)	27 MHz, 100 MHz	—	3.3 V	—	LVCMOS	TDFN10
Si5335	Pin	1/4	10 - 350 (Clock), 25/27 (Xtal)	1 - 350 MHz	1.0 ps	1.8, 2.5, 3.3 V	1.8, 2.5, 3.3 V	LVCMOS, LVDS, LVPECL, HCSSL, SSTL, HSTL, CML	QFN24
Si51210	Pin	1/2	3 - 166 (Clock), 8 - 48 (Xtal)	3 - 200 MHz	—	2.5 - 3.3 V	—	LVCMOS	TDFN6
Si51211	Pin	1/3	3 - 166 (Clock), 8 - 48 (Xtal)	3 - 200 MHz	—	2.5 - 3.3 V	1.8, 2.5, 3.3 V	LVCMOS	TDFN8
Si51214	Pin	1/2	3 - 166 (Clock), 8 - 48 (Xtal)	3 - 133 MHz	—	1.8 V	—	LVCMOS	TDFN6
Si51219	Pin	1/3	3 - 166 (Clock), 8 - 48 (Xtal)	3 - 200 MHz	—	2.5 - 3.3 V	1.8, 2.5, 3.3 V	LVCMOS	TSSOP8
Si52142	Pin/I ² C	1/3	25 MHz	100 MHz, 25 MHz	1.0 ps	3.3 V	3.3 V	HSCL, LVCMOS	QFN24
Si52143	Pin/I ² C	1/5	25 MHz	100 MHz, 25 MHz	1.0 ps	3.3 V	3.3 V	HSCL, LVCMOS	QFN24
Si52144	Pin/I ² C	1/4	25 MHz	100 MHz	1.0 ps	3.3 V	3.3 V	HSCL	QFN24
Si52146	Pin/I ² C	1/6	25 MHz	100 MHz	1.0 ps	3.3 V	3.3 V	HSCL	QFN32
Si52147	Pin/I ² C	1/9	25 MHz	100 MHz	1.0 ps	3.3 V	3.3 V	HSCL	QFN48

Single / Multi-DSPLL Jitter Attenuators

PART NUMBER	# OF PLLS	CONTROL	CLOCK INPUTS / OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	JITTER (PS)	PLL BANDWIDTH	HITLESS SWITCHING	DIGITAL HOLD	0.1 HZ BANDWIDTH FOR SYNC	SIGNAL FORMAT	PACKAGE
Si5315	1	Pin	2/2	0.008 - 644	0.008 - 644	0.3	60 Hz - 8 kHz	✓	✓	—	LVPECL, LVDS, CML, LVCMOS	QFN36
Si5317	1	I ² C/SPI	1/2	0.002 - 710	0.002 - 710	0.3	60 Hz - 8 kHz	—	—	—	LVPECL, LVDS, CML, LVCMOS	QFN36
Si5319	1	I ² C/SPI	1/1	0.002 - 710	0.002 - 1417	0.3	60 Hz - 8 kHz	✓	—	—	LVPECL, LVDS, CML, LVCMOS	QFN36
Si5326	1	I ² C/SPI	2/2	0.002 - 710	0.002 - 1417	0.3	60 Hz - 8 kHz	✓	✓	—	LVPECL, LVDS, CML, LVCMOS, HCSSL	QFN36
Si5328	1	I ² C/SPI	2/2	0.008 - 710	0.008 - 808	0.3	0.1 Hz - 10 Hz	✓	✓	✓	LVPECL, LVDS, CML, LVCMOS	QFN36
Si5342	1	I ² C/SPI	4/2	0.008 - 750	0.001 - 712.5	0.1	0.1 Hz - 4 kHz	✓	✓	✓	LVPECL, LVDS, CML, LVCMOS, HCSSL	QFN44
Si5344	1	I ² C/SPI	4/4	0.008 - 750	0.001 - 712.5	0.1	0.1 Hz - 4 kHz	✓	✓	✓	LVPECL, LVDS, CML, LVCMOS, HCSSL	QFN44
Si5345	1	I ² C/SPI	4/10	0.008 - 750	0.001 - 712.5	0.1	0.1 Hz - 4 kHz	✓	✓	✓	LVPECL, LVDS, CML, LVCMOS, HCSSL	QFN64
Si5346	2	I ² C/SPI	4/4	0.008 - 750	0.001 - 712.5	0.1	0.1 Hz - 4 kHz	✓	✓	✓	LVPECL, LVDS, CML, LVCMOS, HCSSL	QFN44
Si5347	4	I ² C/SPI	4/8	0.008 - 750	0.001 - 712.5	0.1	0.1 Hz - 4 kHz	✓	✓	✓	LVPECL, LVDS, CML, LVCMOS, HCSSL	QFN64
Si5375	4	I ² C	4/4	0.002 - 710	0.002 - 808	0.4	60 Hz - 8 kHz	✓	✓	—	LVPECL, LVDS, CML, LVCMOS	BGA80

Single/Multi-DSPLL Jitter Attenuators for IEEE 1588/PTP Synchronization

PART NUMBER	# OF PLLS	CONTROL	CLOCK INPUTS / OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY	JITTER (PS)	PLL BANDWIDTH	HITLESS SWITCHING	DIGITAL HOLD	SYNCHRONOUS ETHERNET	SIGNAL FORMAT	PACKAGE
Si5348	3	I ² C/SPI	5/7	0.008 - 750	1 pps/1 Hz, 8 kHz - 712.5 MHz	0.1	0.001 Hz - 4 kHz	✓	✓	✓	LVPECL, LVDS, CML, LVCMOS, HCSSL	QFN64

4G/LTE JESD204B-Compliant Jitter Attenuating Clock Multipliers

PART NUMBER	# OF PLLS	CONTROL	CLOCK INPUTS / OUTPUTS	INPUT FREQUENCY (MHZ)	OUTPUT FREQUENCY (MHZ)	JITTER (PS)	PLL BANDWIDTH	HITLESS SWITCHING	DIGITAL HOLD	SIGNAL FORMAT	PACKAGE
Si5380	1	I ² C/SPI	4/12	10-750	0.480 - 1,474	0.07	0.1 Hz - 100 Hz	✓	✓	LVDS, LVPECL, CML, HCSSL, LVCMOS	QFN64



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Multi-Channel Unidirectional Digital Isolators (1 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
SI8030AA-B-IU	3	0	—	—	✓	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125 °C	QSOP16
SI8035AA-B-IU	3	0	—	—	—	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125 °C	QSOP16
SI8040AA-B-IU	4	0	—	—	✓	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125 °C	QSOP16
SI8045AA-B-IU	4	0	—	—	—	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125 °C	QSOP16
SI8050AA-B-IU	5	0	—	—	✓	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125 °C	QSOP16
SI8055AA-B-IU	5	0	—	—	—	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125 °C	QSOP16
SI8065AA-B-IU	6	0	—	—	—	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125 °C	QSOP16
SI8440AA-D-IS1	4	0	1	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8440BA-D-IS1	4	0	150	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8441AA-D-IS1	3	1	1	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8441BA-D-IS1	3	1	150	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8442AA-D-IS1	2	2	1	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8442BA-D-IS1	2	2	150	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8442BA-D-IU	2	2	150	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	QSOP16
SI8445BA-D-IS1	4	0	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8450AA-B-IS1	5	0	1	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8450BA-B-IS1	5	0	150	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8451AA-B-IS1	4	1	1	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8451BA-B-IS1	4	1	150	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8452AA-B-IS1	3	2	1	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8452BA-B-IS1	3	2	150	—	✓	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8455BA-B-IS1	5	0	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8455BA-B-IU	5	0	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	QSOP16
SI8460AA-B-IS1	6	0	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8460BA-B-IS1	6	0	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8461AA-B-IS1	5	1	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8461BA-B-IS1	5	1	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8462AA-B-IS1	4	2	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8462BA-B-IS1	4	2	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8463AA-B-IS1	3	3	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8463BA-B-IS1	3	3	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8641BA-B-IU	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	QSOP16
SI8642BA-B-IU	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	QSOP16
SI8645BA-B-IU	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	QSOP16
SI8655BA-B-IS	5	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8655BA-B-IU	5	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	QSOP16

Multi-Channel Unidirectional Digital Isolators (2.5 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
SI8463BB-B-IS1	3	3	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	NB SOIC16
SI8610AB-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
SI8610BB-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
SI8620AB-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
SI8620BB-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
SI8621AB-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
SI8621BB-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
SI8622BB-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
SI8630AB-B-IS	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8630AB-B-IS1	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8630BB-B-IS	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8630BB-B-IS1	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8631AB-B-IS	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8631AB-B-IS1	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8631BB-B-IS	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8631BB-B-IS1	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8635BB-B-IS	3	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8640AB-B-IS	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8640AB-B-IS1	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8640BB-B-IS	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8640BB-B-IS1	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8641AB-B-IS	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8641AB-B-IS1	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8641BB-B-IS	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8641BB-B-IS1	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8642AB-B-IS	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8642AB-B-IS1	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8642BB-B-IS	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8642BB-B-IS1	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8645BB-B-IS	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8645BB-B-IS1	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8650AB-B-IS1	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8650BB-B-IS1	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8651AB-B-IS1	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
SI8651BB-B-IS1	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
Si8652AB-B-IS1	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8652BB-B-IS1	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8655BB-B-IS1	5	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8660AB-B-IS1	6	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8660BB-B-IS1	6	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8661AB-B-IS1	5	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8661BB-B-IS1	5	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8662AB-B-IS1	4	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8662BB-B-IS1	4	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8663AB-B-IS1	3	3	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8663BB-B-IS1	3	3	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16

Multi-Channel Unidirectional Digital Isolators (3.75 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
Si8610BC-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8610EC-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8620BC-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8620EC-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8621BC-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8621EC-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8622BC-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8622EC-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8630BC-B-IS1	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8630EC-B-IS1	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8631BC-B-IS1	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8631EC-B-IS1	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8635BC-B-IS1	3	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8640BC-B-IS1	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8640EC-B-IS1	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8641BC-B-IS1	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8641EC-B-IS1	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8642BC-B-IS1	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8642EC-B-IS1	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8645BC-B-IS1	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8650BC-B-IS1	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8650EC-B-IS1	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
Si8651BC-B-IS1	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8651EC-B-IS1	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8652BC-B-IS1	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8652EC-B-IS1	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8660BA-B-IS1	6	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8660BC-B-IS1	6	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8660EC-B-IS1	6	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8661BC-B-IS1	5	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8661EC-B-IS1	5	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8662BC-B-IS1	4	2	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8662EC-B-IS1	4	2	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8663BC-B-IS1	3	3	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8663EC-B-IS1	3	3	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC16
Si8710AC-B-IP	1	0	15	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8710AC-B-IS	1	0	15	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8710BC-B-IP	1	0	15	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8710BC-B-IS	1	0	15	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8710CC-B-IP	1	0	1	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8710CC-B-IS	1	0	1	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8711AC-B-IP	1	0	15	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8711AC-B-IS	1	0	15	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8711BC-B-IP	1	0	15	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8711BC-B-IS	1	0	15	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8711CC-B-IP	1	0	1	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8711CC-B-IS	1	0	1	✓	—	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8712AC-B-IP	1	0	15	✓	✓	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8712AC-B-IS	1	0	15	✓	✓	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8712BC-B-IP	1	0	15	✓	✓	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8712BC-B-IS	1	0	15	✓	✓	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8712CC-B-IP	1	0	1	✓	✓	LED Emulator	✓	3.0 - 30		-40 to 125 °C	GW DIP8
Si8712CC-B-IS	1	0	1	✓	✓	LED Emulator	✓	3.0 - 30		-40 to 125 °C	NB SOIC8
Si8715BC-A-IP	1	0		✓	—	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	WB SOIC6
Si8715BC-A-IS	1	0		✓	—	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	GW DIP8
Si8715BD-A-IS	1	0		✓	—	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	NB SOIC8
Si8716BC-A-IP	1	0		✓	✓	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	GW DIP8
Si8716BC-A-IS	1	0		✓	✓	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	NB SOIC8

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
Si8717BC-A-IP	1	0		✓	✓	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	GW DIP8
Si8717BC-A-IS	1	0		✓	✓	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	NB SOIC8
Si8718BC-A-IP	1	0		✓	✓	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	GW DIP8
Si8718BC-A-IS	1	0		✓	✓	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	NB SOIC8
Si8719BC-A-IP	1	0		✓	—	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	WB SOIC6
Si8719BC-A-IS	1	0		✓	—	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	GW DIP8
Si8719BD-A-IS	1	0		✓	—	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	NB SOIC8
Si8720BC-A-IP	1	0		✓	✓	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	GW DIP8
Si8720BC-A-IS	1	0		✓	✓	LED Emulator	✓	2.5 - 5.5		-40 to 125 °C	NB SOIC8

Multi-Channel Unidirectional Digital Isolators (5 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
Si8410AD-A-IS	1	0	1	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8410BD-A-IS	1	0	150	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8420AD-A-IS	2	0	1	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8420BD-A-IS	2	0	150	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8421AD-B-IS	1	1	1	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8421BD-B-IS	1	1	150	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8422AD-B-IS	1	1	1	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8422BD-B-IS	1	1	150	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8423AD-B-IS	2	0	1	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8423BD-B-IS	2	0	150	—	—	5.0	—	2.7 - 5.5	2.7 - 5.5	-40 to 125 °C	WB SOIC16
Si8610BD-B-IS	1	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8610ED-B-IS	1	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8620BD-B-IS	2	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8620ED-B-IS	2	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8621BD-B-IS	1	1	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8621ED-B-IS	1	1	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8622BD-B-IS	1	1	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	NB SOIC8
Si8622ED-B-IS	1	1	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8630BD-B-IS	3	0	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8630ED-B-IS	3	0	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8631BD-B-IS	2	1	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8631ED-B-IS	2	1	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8635BD-B-IS	3	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8640BD-B-IS	4	0	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
SI8640ED-B-IS	4	0	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8641BD-B-IS	3	1	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8641ED-B-IS	3	1	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8642BD-B-IS	2	2	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8642ED-B-IS	2	2	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8645BD-B-IS	4	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8650BD-B-IS	5	0	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8650ED-B-IS	5	0	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8651BD-B-IS	4	1	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8651ED-B-IS	4	1	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8652BD-B-IS	3	2	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8652ED-B-IS	3	2	150	✓	✓	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8655BD-B-IS	5	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8660BD-B-IS	6	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8660ED-B-IS	6	0	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8661BD-B-IS	5	1	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8661ED-B-IS	5	1	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8662BD-B-IS	4	2	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8662ED-B-IS	4	2	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8663BD-B-IS	3	3	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8663ED-B-IS	3	3	150	✓	—	5.0	—	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
SI8710AD-B-IS	1	0	15	✓	—	5.0	✓	3.0 - 30		-40 to 125 °C	WB SOIC6
SI8710BD-B-IS	1	0	15	✓	—	5.0	✓	3.0 - 30		-40 to 125 °C	WB SOIC6
SI8710CD-B-IS	1	0	1	✓	—	5.0	✓	3.0 - 30		-40 to 125 °C	WB SOIC6
SI8711AD-B-IM	1	0	15	✓	—	5.0	✓	3.0 - 30		-40 to 125 °C	LGA8
SI8711BD-B-IM	1	0	15	✓	—	5.0	✓	3.0 - 30		-40 to 125 °C	LGA8
SI8711CD-B-IM	1	0	1	✓	—	5.0	✓	3.0 - 30		-40 to 125 °C	LGA8
SI8712AD-B-IM	1	0	15	✓	✓	5.0	✓	3.0 - 30		-40 to 125 °C	LGA8
SI8712BD-B-IM	1	0	15	✓	✓	5.0	✓	3.0 - 30		-40 to 125 °C	LGA8
SI8712CD-B-IM	1	0	1	✓	✓	5.0	✓	3.0 - 30		-40 to 125 °C	LGA8

Multi-Channel Unidirectional Digital Isolators (5kVrms and 10 kV surge withstand capability)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
Si8620BT-IS	2	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8620ET-IS	2	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8621BT-IS	1	1	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8621ET-IS	1	1	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8622BT-IS	1	1	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8622ET-IS	1	1	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8630BT-IS	3	0	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8630ET-IS	3	0	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8631BT-IS	2	1	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8631ET-IS	2	1	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8635BT-IS	3	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8635ET-IS	3	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8640BT-IS	4	0	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8640ET-IS	4	0	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8641BT-IS	3	1	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8641ET-IS	3	1	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8642BT-IS	2	2	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8642ET-IS	2	2	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8645BT-IS	4	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16
Si8645ET-IS	4	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125 °C	WB SOIC16

Multi-Channel Unidirectional Digital Isolators with Integrated dc/dc Converter

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	OUTPUT SUPPLY	INPUT SUPPLY	TEMPERATURE RANGE	PACKAGE
Si88240ED-IS	4	0	100	✓	—	5.0	✓	3.0 - 5.5	3.0 - 5.5	-40 to 125 °C	WB SOIC20
Si88241ED-IS	3	1	100	✓	—	5.0	✓	3.0 - 5.5	3.0 - 5.5	-40 to 125 °C	WB SOIC20
Si88242ED-IS	2	2	100	✓	—	5.0	✓	3.0 - 5.5	3.0 - 5.5	-40 to 125 °C	WB SOIC20
Si88243ED-IS	1	3	100	✓	—	5.0	✓	3.0 - 5.5	3.0 - 5.5	-40 to 125 °C	WB SOIC20
Si88244ED-IS	0	4	100	✓	—	5.0	✓	3.0 - 5.5	3.0 - 5.5	-40 to 125 °C	WB SOIC20
Si88620ED-IS	2	0	100	✓	—	5.0	✓	3.0 - 5.5	3.0 - 5.5	-40 to 125 °C	WB SOIC20
Si88621ED-IS	1	1	100	✓	—	5.0	✓	3.0 - 5.5	3.0 - 5.5	-40 to 125 °C	WB SOIC20
Si88622ED-IS	0	2	100	✓	—	5.0	✓	3.0 - 5.5	3.0 - 5.5	-40 to 125 °C	WB SOIC20

Bidirectional Digital Isolators

PART NUMBER	MAXIMUM DATA RATE (MBPS)	MAXIMUM PROPAGATION DELAY	AEC-Q100	BIDIRECTIONAL CHANNELS	ISOLATION RATING	OUTPUT SUPPLY	INPUT SUPPLY	PACKAGE
Si8400AA-A-IS	1.7	1.0	—	2	1.0	2.7 - 5.5	2.7 - 5.5	NB SOIC8
Si8400AB-A-IS	1.7	2.5	—	2	2.5	2.7 - 5.5	2.7 - 5.5	NB SOIC8

PART NUMBER	MAXIMUM DATA RATE (MBPS)	MAXIMUM PROPAGATION DELAY	AEC-Q100	BIDIRECTIONAL CHANNELS	ISOLATION RATING	OUTPUT SUPPLY	INPUT SUPPLY	PACKAGE
Si8400AB-B-IS	1.7	2.5	—	2	2.5	2.7 - 5.5	2.7 - 5.5	NB SOIC8
Si8401AA-B-IS	1.7	1.0	—	2	1.0	2.7 - 5.5	2.7 - 5.5	NB SOIC8
Si8401AB-B-IS	1.7	2.5	—	2	2.5	2.7 - 5.5	2.7 - 5.5	NB SOIC8
Si8402AB-B-IS	1.7	2.5	—	1	2.5	2.7 - 5.5	2.7 - 5.5	NB SOIC8
Si8405AA-A-IS1	1.7	1.0	—	2	1.0	2.7 - 5.5	2.7 - 5.5	NB SOIC16
Si8405AB-A-IS1	1.7	2.5	—	2	2.5	2.7 - 5.5	2.7 - 5.5	NB SOIC16
Si8600AB-B-IS	1.7	2.5	✓	1	2.5	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8600AC-B-IS	1.7	3.75	✓	2	3.75	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8600AD-B-IS	1.7	5.0	✓	2	5.0	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8602AB-B-IS	1.7	2.5	✓	2	2.5	2.5 - 5.5	2.5 - 5.5	NB SOIC16
Si8602AC-B-IS	1.7	3.75	✓	1	3.75	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8602AD-B-IS	1.7	5.0	✓	1	5.0	2.5 - 5.5	2.5 - 5.5	WB SOIC16
Si8605AB-B-IS1	1.7	2.5	✓	—	2.5	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8605AC-B-IS1	1.7	3.75	✓	2	3.75	2.5 - 5.5	2.5 - 5.5	NB SOIC16
Si8605AD-B-IS	1.7	5.0	✓	2	5.0	2.5 - 5.5	2.5 - 5.5	WB SOIC16
Si8606AC-B-IS1	1.7	3.75	✓	2	3.75	2.5 - 5.5	2.5 - 5.5	NB SOIC16
Si8606AD-B-IS	1.7	5.0	✓	2	5.0	2.5 - 5.5	2.5 - 5.5	WB SOIC16

Isolated Analog Amplifiers

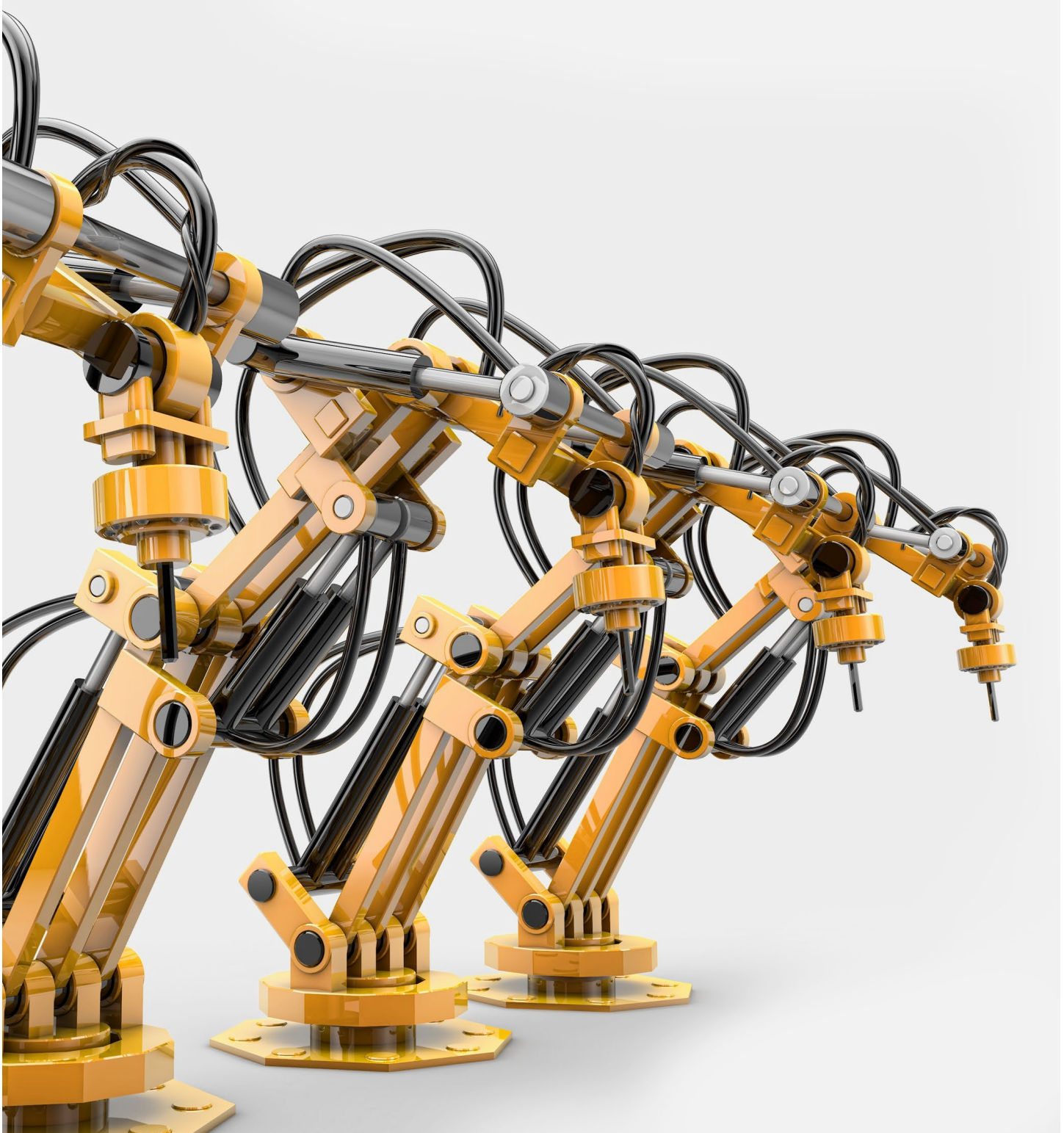
PART NUMBER	TEMPERATURE RANGE	OUTPUT MODE	ISOLATION RATING	INITIAL ACCURACY	DESCRIPTION	PACKAGE
Si8920AC-IP	-40 to 125 °C	Analog	3.75 kV rms	1.50%	Isolated analog amplifier with ±100 mV input	GW DIP8
Si8920AD-IS	-40 to 125 °C	Analog	5 kV rms	1.50%	Isolated analog amplifier with ±100 mV input	WB SOIC16
Si8920BC-IP	-40 to 125 °C	Analog	3.75 kV rms	0.75%	Isolated analog amplifier with ±200 mV input	GW DIP8
Si8920BD-IS	-40 to 125 °C	Analog	5 kV rms	0.75%	Isolated analog amplifier with ±200 mV input	WB SOIC16

Isolated Gate Drivers

PART NUMBER	OVERLAP PROTECTION & DEAD TIME CONTROL	AEC-Q100	ISOLATION RATING (INPUT-OUTPUT) (V)	ISOLATION RATING (OUTPUT-OUTPUT) (VDC)	MAXIMUM PROPAGATION DELAY	TEMPERATURE RANGE	UVLO VOLTAGE	PEAK OUTPUT CURRENT	PACKAGE
Si8220BB-A-IS	—	✓	2.5	—	80	-40 to 125 °C	8 V	2.5	SOIC8
Si8220BD-A-IS	—	✓	5	—	80	-40 to 125 °C	8 V	2.5	WB SOIC16
Si8220CB-A-IS	—	✓	2.5	—	80	-40 to 125 °C	10 V	2.5	SOIC8
Si8220CD-A-IS	—	✓	5	—	80	-40 to 125 °C	10 V	2.5	WB SOIC16
Si8220DB-A-IS	—	✓	2.5	—	80	-40 to 125 °C	12.5 V	2.5	SOIC8
Si8220DD-A-IS	—	✓	5	—	80	-40 to 125 °C	12.5 V	2.5	WB SOIC16
Si8221CC-A-IS	—	✓	3.75	—	80	-40 to 125 °C	10 V	0.5	SOIC8
Si8221DC-A-IS	—	✓	3.75	—	80	-40 to 125 °C	12.5 V	0.5	SOIC8
Si8230AB-B-IS	✓	✓	2.5	3500	60	-40 to 125 °C	5 V	0.5	WB SOIC16

PART NUMBER	OVERLAP PROTECTION & DEAD TIME CONTROL	AEC-Q100	ISOLATION RATING (INPUT-OUTPUT) (V)	ISOLATION RATING (OUTPUT-OUTPUT) (VDC)	MAXIMUM PROPAGATION DELAY	TEMPERATURE RANGE	UVLO VOLTAGE	PEAK OUTPUT CURRENT	PACKAGE
Si8230AB-B-IS1	✓	✓	2.5	3500	60	-40 to 125 °C	5 V	0.5	NB SOIC16
Si8230AD-B-IS	✓	✓	5	3500	60	-40 to 125 °C	5 V	0.5	WB SOIC16
Si8230BB-B-IS	✓	✓	2.5	3500	60	-40 to 125 °C	8 V	0.5	WB SOIC16
Si8230BB-B-IS1	✓	✓	2.5	3500	60	-40 to 125 °C	8 V	0.5	NB SOIC16
Si8230BD-B-IS	✓	✓	5	3500	60	-40 to 125 °C	8 V	0.5	WB SOIC16
Si8231AB-B-IS	✓	✓	2.5	3500	60	-40 to 125 °C	5 V	0.5	WB SOIC16
Si8231AB-B-IS1	✓	✓	2.5	3500	60	-40 to 125 °C	5 V	0.5	NB SOIC16
Si8231AD-B-IS	✓	✓	5	3500	60	-40 to 125 °C	5 V	0.5	WB SOIC16
Si8231BB-B-IS	✓	✓	2.5	3500	60	-40 to 125 °C	8 V	0.5	WB SOIC16
Si8231BB-B-IS1	✓	✓	2.5	3500	60	-40 to 125 °C	8 V	0.5	NB SOIC16
Si8231BD-B-IS	✓	✓	5	3500	60	-40 to 125 °C	8 V	0.5	WB SOIC16
Si8232AB-B-IS	—	✓	2.5	3500	60	-40 to 125 °C	5 V	0.5	WB SOIC16
Si8232AB-B-IS1	—	✓	2.5	3500	60	-40 to 125 °C	5 V	0.5	NB SOIC16
Si8232AD-B-IS	—	✓	5	3500	60	-40 to 125 °C	5 V	0.5	WB SOIC16
Si8232BB-B-IS	—	✓	2.5	3500	60	-40 to 125 °C	8 V	0.5	WB SOIC16
Si8232BB-B-IS1	—	✓	2.5	3500	60	-40 to 125 °C	8 V	0.5	NB SOIC16
Si8232BD-B-IS	—	✓	5	3500	60	-40 to 125 °C	8 V	0.5	WB SOIC16
Si8233AB-C-IM	✓	✓	2.5	900	60	-40 to 125 °C	5 V	4.0	LGA14
Si8233AB-C-IS	✓	✓	2.5	3500	60	-40 to 125 °C	5 V	4.0	WB SOIC16
Si8233AB-C-IS1	✓	✓	2.5	3500	60	-40 to 125 °C	5 V	4.0	NB SOIC16
Si8233AD-C-IS	✓	✓	5	3500	60	-40 to 125 °C	5 V	4.0	WB SOIC16
Si8233BB-C-IM	✓	✓	2.5	900	60	-40 to 125 °C	8 V	4.0	LGA14
Si8233BB-C-IS	✓	✓	2.5	3500	60	-40 to 125 °C	8 V	4.0	WB SOIC16
Si8233BB-C-IS1	✓	✓	2.5	3500	60	-40 to 125 °C	8 V	4.0	NB SOIC16
Si8233BD-C-IS	✓	✓	5	3500	60	-40 to 125 °C	8 V	4.0	WB SOIC16
Si8234AB-C-IM	✓	✓	2.5	900	60	-40 to 125 °C	5 V	4.0	LGA14
Si8234AB-C-IS	✓	✓	2.5	3500	60	-40 to 125 °C	5 V	4.0	WB SOIC16
Si8234AB-C-IS1	✓	✓	2.5	3500	60	-40 to 125 °C	5 V	4.0	NB SOIC16
Si8234AD-C-IS	✓	✓	5	3500	60	-40 to 125 °C	5 V	4.0	WB SOIC16
Si8234BB-C-IM	✓	✓	2.5	900	60	-40 to 125 °C	8 V	4.0	LGA14
Si8234BB-C-IS	✓	✓	2.5	3500	60	-40 to 125 °C	8 V	4.0	WB SOIC16
Si8234BB-C-IS1	✓	✓	2.5	3500	60	-40 to 125 °C	8 V	4.0	NB SOIC16
Si8234BD-C-IS	✓	✓	5	3500	60	-40 to 125 °C	8 V	4.0	WB SOIC16
Si8235AB-C-IM	—	✓	2.5	900	60	-40 to 125 °C	5 V	4.0	LGA14
Si8235AB-C-IS	—	✓	2.5	3500	60	-40 to 125 °C	5 V	4.0	WB SOIC16
Si8235AB-C-IS1	—	✓	2.5	3500	60	-40 to 125 °C	5 V	4.0	NB SOIC16

PART NUMBER	OVERLAP PROTECTION & DEAD TIME CONTROL	AEC-Q100	ISOLATION RATING (INPUT-OUTPUT) (V)	ISOLATION RATING (OUTPUT-OUTPUT) (VDC)	MAXIMUM PROPAGATION DELAY	TEMPERATURE RANGE	UVLO VOLTAGE	PEAK OUTPUT CURRENT	PACKAGE
Si8235AD-C-IS	—	✓	5	3500	60	-40 to 125 °C	5 V	4.0	WB SOIC16
Si8235BB-C-IM	—	✓	2.5	900	60	-40 to 125 °C	8 V	4.0	LGA14
Si8235BB-C-IS	—	✓	2.5	3500	60	-40 to 125 °C	8 V	4.0	WB SOIC16
Si8235BB-C-IS1	—	✓	2.5	3500	60	-40 to 125 °C	8 V	4.0	NB SOIC16
Si8235BD-C-IS	—	✓	5	3500	60	-40 to 125 °C	8 V	4.0	WB SOIC16





Audio

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Automotive Tuners

PART NUMBER	DESCRIPTION	AUDIO	FM/AM	SW/LW	WB	RDS	HD RADIO	DAB/DAB+	FM EQUALIZER	FM DIVERSITY
Si4740	FM/AM Receiver, automotive qualified AEC-Q100	✓	✓	—	—	—	—	—	—	—
Si4741	FM/AM/RDS Receiver, automotive qualified AEC-Q100	✓	✓	—	—	✓	—	—	—	—
Si4743	FM/AM/SW/LW/WB/RDS Receiver, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	—	—	—	—
Si4744	FM/AM/SW/LW Receiver, automotive qualified AEC-Q100	✓	✓	✓	—	—	—	—	—	—
Si4745	FM/AM/SW/LW/RDS Receiver, automotive qualified AEC-Q100	✓	✓	✓	—	✓	—	—	—	—
Si4754	FM/AM Receiver, automotive qualified AEC-Q100	✓	✓	—	—	—	—	—	✓	—
Si4755	FM/AM/RDS Receiver, automotive qualified AEC-Q100	✓	✓	—	—	✓	—	—	✓	—
Si4756	FM/AM/SW/LW Receiver, automotive qualified AEC-Q100	✓	✓	✓	—	—	—	—	✓	—
Si4757	FM/AM/SW/LW/RDS Receiver, automotive qualified AEC-Q100	✓	✓	✓	—	✓	—	—	✓	—
Si4760	FM/AM/RDS Receiver, automotive qualified AEC-Q100	✓	✓	—	—	✓	—	—	✓	—
Si4761	FM/AM/RDS Receiver and HD Radio tuner, automotive qualified AEC-Q100	✓	✓	—	—	✓	✓	—	✓	—
Si4762	FM/AM/SW/LW/RDS Receiver, automotive qualified AEC-Q100	✓	✓	✓	—	✓	—	—	✓	—
Si4763	FM/AM/SW/LW/WB/RDS Receiver and HD Radio Tuner, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	—	✓	—
Si4764	FM/AM/RDS Receiver, automotive qualified AEC-Q100	✓	✓	—	—	✓	—	—	✓	✓
Si4765	FM/AM/RDS Receiver, automotive qualified AEC-Q100	✓	✓	—	—	✓	✓	—	✓	✓
Si4766	FM/AM/RDS Receiver, automotive qualified AEC-Q100	✓	✓	✓	—	✓	—	—	✓	✓
Si4767	FM/AM/SW/LW/WB/RDS Receiver and HD Radio tuner, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	—	✓	✓

Global Eagle Automotive Tuners and Audio Systems

PART NUMBER	DESCRIPTION	AUDIO	FM/AM	SW/LW	WB	RDS	HD RADIO	DAB/DAB+	FM EQUALIZER	FM DIVERSITY	AUDIO SYSTEM
Si47901	FM/AM/SW/LW/WB/RDS Receiver and HD Radio tuner, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	—	✓	✓	—
Si47902	FM/AM/SW/LW/WB/RDS Receiver and HD Radio/DAB tuner, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Si47903	FM/AM/SW/LW/RDS Receiver, automotive qualified AEC-Q100	✓	✓	✓	—	✓	—	—	✓	✓	—
Si47904	FM/AM/SW/LW/ WB/ RDS Receiver and HD Radio tuner, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	—	✓	✓	—
Si47905	FM/AM/SW/LW/RDS Receiver and DAB tuner, automotive qualified AEC-Q100	✓	✓	✓	—	✓	—	✓	✓	—	—
Si47906	FM/AM/SW/LW/ WB/RDS Receiver and HD Radio/DAB tuner, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	✓	✓	✓	—
Si47911	FM/AM/SW/LW/RDS Receiver and HD Radio tuner, audio system, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	—	✓	✓	✓
Si47912	FM/AM/SW/LW/ WB/RDS Receiver and HD Radio/DAB tuner, audio system, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Si47920	FM/AM/SW/LW/RDS Receiver, audio system, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	—	—	✓	—	✓
Si47921	FM/AM/SW/LW/RDS Receiver and HD Radio tuner, audio system, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	✓	—	✓	✓	✓

Class D Audio Drivers

PART NUMBER	UVLO VOLTAGE	PACKAGE	OUTPUTS	INPUT TYPE	ISOLATION RATING	DRIVE STRENGTH
Si8241BB-B-IS1	8 V	NB SOIC16	High Side / Low Side	PWM	2.5 kV rms	0.5 A
Si8241CB-B-IS1	10 V	NB SOIC16	High Side / Low Side	PWM	2.5 kV rms	0.5 A
Si8244BB-C-IS1	8 V	NB SOIC16	High Side / Low Side	PWM	2.5 kV rms	4 A
Si8244CB-C-IS1	10 V	NB SOIC16	High Side / Low Side	PWM	2.5 kV rms	4 A

Digital Radio

PART NUMBER	DESCRIPTION	MONO/STEREO	RDS	FM	AM	AMHD	FMHD	DAB/DAB+	HD RADIO CERTIFICATION
Si4613	Low Power, High Performance AM/FM HD Radio Baseband Processor	NA	—	—	—	✓	✓	—	✓
Si4614	Low Power, High Performance DAB/DAB+ Baseband Processor	NA	—	—	—	—	—	✓	—
Si4622	High Performance single chip FM/HD Data Receiver w RDS	NA	✓	✓	—	—	✓	—	✓
Si4624	High Performance single chip FM/DAB/DAB+ Data Receiver w RDS	NA	✓	✓	—	—	—	✓	—
Si4629	High Performance single chip AM/FM/HD/DAB/DAB+ Data Receiver w RDS	NA	✓	✓	✓	✓	✓	✓	✓
Si4682	FM/HD Radio Receiver w RDS	Stereo	✓	✓	—	—	✓	—	✓
Si4683	AM/FM/HD Radio Receiver w RDS	Stereo	✓	✓	✓	✓	✓	—	✓
Si4684	FM/DAB/DAB+ Receiver w RDS	Stereo	✓	✓	—	—	—	✓	—
Si4685	AM/FM/DAB/DAB+ Receiver w RDS	Stereo	✓	✓	✓	—	—	✓	—
Si4688	FM/HD Radio/DAB/DAB+ Receiver w RDS	Stereo	✓	✓	—	—	✓	✓	✓
Si4689	AM/FM/HD Radio/DAB/DAB+ Receiver w RDS	Stereo	✓	✓	✓	✓	✓	✓	✓

FM Receivers

PART NUMBER	DESCRIPTION	TUNING METHOD	DISPLAY METHOD	MONO/STEREO	RDS	FM	AM	SW	LW	WB	TX	EN55020
Si4702	FM Receiver	Digital	Digital	Stereo	—	✓	—	—	—	—	—	—
Si4703	FM Receiver w RDS	Digital	Digital	Stereo	✓	✓	—	—	—	—	—	—
Si4704	FM Receiver, short antenna capable	Digital	Digital	Stereo	—	✓	—	—	—	—	—	✓
Si4705	FM Receiver w RDS, short antenna capable	Digital	Digital	Stereo	✓	✓	—	—	—	—	—	✓
Si4708	FM Receiver - ultra small package	Digital	Digital	Stereo	—	✓	—	—	—	—	—	—
Si4709	FM Receiver w RDS - ultra small package	Digital	Digital	Stereo	✓	✓	—	—	—	—	—	—

FM Transceivers

PART NUMBER	DESCRIPTION	TUNING METHOD	DISPLAY METHOD	MONO/STEREO	RDS	FM	AM	SW	LW	WB	TX	EN55020
Si4720	FM Tx/Rx w Receive Power Scan	Digital	Digital	Stereo	—	✓	—	—	—	—	✓	—
Si4721	FM Tx/Rx w RDS and Receive Power Scan	Digital	Digital	Stereo	✓	✓	—	—	—	—	✓	—

FM Transmitters

PART NUMBER	DESCRIPTION	TUNING METHOD	DISPLAY METHOD	MONO/STEREO	RDS	FM	AM	SW	LW	WB	TX
Si4710	FM Transmitter	Digital	Digital	Stereo	—	—	—	—	—	—	✓
Si4711	FM Transmitter w RDS	Digital	Digital	Stereo	✓	—	—	—	—	—	✓
Si4712	FM Transmitter with Receive Power Scan	Digital	Digital	Stereo	—	—	—	—	—	—	✓
Si4713	FM Transmitter w RDS and Receive Power Scan	Digital	Digital	Stereo	✓	—	—	—	—	—	✓

Multi-Band Tuners

PART NUMBER	DESCRIPTION	TUNING METHOD	DISPLAY METHOD	MONO/STEREO	RDS	FM	AM	SW	LW	WB	TX	EN55020
Si4707	Weather Band Receiver with SAME Decoder	Digital	Digital	Stereo	✓	—	—	—	—	✓	—	—
Si4730	FM/AM Receiver	Digital	Digital	Stereo	—	✓	✓	—	—	—	—	✓
Si4731	FM/AM Receiver w RDS	Digital	Digital	Stereo	✓	✓	✓	—	—	—	—	✓
Si4732	AM/FM/SW/LW Receiver w RDS	Digital	Digital	Stereo	✓	✓	✓	✓	✓	—	—	✓
Si4734	FM/AM/SW/LW Receiver	Digital	Digital	Stereo	—	✓	✓	✓	✓	—	—	✓
Si4735	FM/AM/SW/LW Receiver w RDS	Digital	Digital	Stereo	✓	✓	✓	✓	✓	—	—	✓
Si4736	FM/AM/Weather Band Receiver	Digital	Digital	Stereo	—	✓	✓	—	—	✓	—	—
Si4737	FM/AM/Weather Band Receiver w RDS	Digital	Digital	Stereo	✓	✓	✓	—	—	✓	—	—
Si4738	FM/Weather Band Receiver	Digital	Digital	Stereo	—	✓	—	—	—	✓	—	—
Si4739	FM/Weather Band Receiver w RDS	Digital	Digital	Stereo	✓	✓	—	—	—	✓	—	—
Si4770	Pro-Audio FM/AM Tuner w RDS	Digital	Digital	Stereo	✓	✓	✓	—	—	—	—	✓
Si4820	FM/AM w Mechanical Tuning	Mechanical	Digital	—	—	✓	✓	—	—	—	—	—
Si4822	FM/AM w Mech Tune/Digital Display	Mechanical	Digital	—	—	✓	✓	—	—	—	—	—
Si4824	FM/AM/SW w Mechanical Tuning	Mechanical	Analog	—	—	✓	✓	✓	—	—	—	—
Si4825	FM/AM/SW-Wide band w Mech Tuning	Mechanical	Analog	—	—	✓	✓	✓	✓	—	—	—
Si4826	FM/AM/SW w Mech Tune/Dig Disp	Mechanical	Digital	—	—	✓	✓	✓	—	—	—	—
Si4827	FM/AM/SW-Wide band w Mech Tune/Dig Disp	Mechanical	Digital	—	—	—	—	✓	✓	—	—	—
Si4831	FM/AM w Mechanical Tuning/Stereo	Mechanical	Analog	Stereo	—	✓	✓	—	—	—	—	✓
Si4835	FM/AM/SW w Mechanical Tuning/Stereo	Mechanical	Analog	Stereo	—	✓	✓	✓	—	—	—	✓
Si4836	FM/AM/SW-Wide band w Mech Tuning/Stereo	Mechanical	Analog	Stereo	—	✓	✓	✓	✓	—	—	—
Si4840	FM/AM w Mech Tune/Dig Disp	Mechanical	Digital	—	—	✓	✓	—	—	—	—	—
Si4844	FM/AM/SW-Wide band w Mech Tune/Dig Disp	Mechanical	Digital	—	—	✓	✓	✓	✓	—	—	—

RDS Data Receivers

PART NUMBER	DESCRIPTION	RDS	FM	AM	SW	LW	WB	TX
Si4706	Enhanced FM RDS/TMC Receiver with RDS, no external antenna required	✓	✓	—	—	—	—	—
Si4749	High-perf FM RDS/RBDS Data Receiver, automotive qualified AEC-Q100	✓	✓	—	—	—	—	—
Si4768	High-perf FM RDS/RBDS Data Receiver/Alternative Frequency Scanner with MPX Output, automotive qualified AEC-Q100	✓	✓	—	—	—	—	—
Si4769	High-perf FM RDS/RBDS Data Receiver with MPX Output/Multi-band Scanner/HD Radio Tuner for HD Radio Data Services, automotive qualified AEC-Q100	✓	✓	✓	✓	✓	—	—



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Digital TV Demodulator

PART NUMBER	DESCRIPTION	PACKAGE
Si2160-B	DVB-C2/S2X/S2/T/C/S Digital Demodulator	7 x 7 mm, QFN48
Si2162-B	DVB-T2/C2/T/C Digital Demodulator	7 x 7 mm, QFN48
Si2164-B	Universal DVB-T2/C2/S2X/S2/T/C/S Digital Demodulator	7 x 7 mm, QFN48
Si2165-D	DVB-T/C Demodulator	5 x 6 mm, QFN36
Si2166-B	DVB-S2/S Satellite Demodulator	7 x 7 mm, QFN48
Si2166-C	DVB-S2X/S2/S Satellite Demodulator	7 x 7 mm, QFN48
Si2167-C	DVB-S2X/S2/T/C/S Digital Demodulator	7 x 7 mm, QFN48
Si2167-B	DVB-S2/T/C/S Satellite Demodulator	7 x 7 mm, QFN48
Si2168-C	DVB-T2/T/C Digital Demodulator	7 x 7 mm, QFN48
Si2169-C	DVB-T2/S2X/S2/T/C/S Digital Demodulator	7 x 7 mm, QFN48
Si2180	ISDB-T and DVB-T/C Digital Demodulator	7 x 7 mm, QFN48
Si2181	ISDB-T and DVB-S2X/S2/T/C/S Digital Demodulator	7 x 7 mm, QFN48
Si2182	ISDB-T and DVB-T2/S2X/S2/T/C/S Digital Demodulator	7 x 7 mm, QFN48
Si2183	ISDB-T and DVB-T2/C2/S2X/S2/T/C/S Digital Demodulator	7 x 7 mm, QFN48

Dual Digital TV Demodulator

PART NUMBER	DESCRIPTION	PACKAGE
Si21602-B	Dual DVB-C2/S2X/S2/T/C/S Digital Demodulator	8 x 8 mm, QFN68
Si21622-B	Dual DVB-C2/T2/T/C Digital Demodulator	8 x 8 mm, QFN68
Si21642-B	Universal Dual DVB-C2/T2/S2X/S2/T/C/S Digital Demodulator	8 x 8 mm, QFN68
Si21662-B	Dual DVB-S2/S Satellite Demodulator	8 x 8 mm, QFN48
Si21662-C	Dual DVB-S2X/S2/S Digital Demodulator	8 x 8 mm, QFN68
Si21672-C	Dual DVB-S2X/S2/T/C/S Digital Demodulator	8 x 8 mm, QFN68
Si21672-B	Dual DVB-S2/T/C/S Satellite Demodulator	8 x 8 mm, QFN48
Si21682-C	Dual DVB-T2/T/C Digital Demodulator	8 x 8 mm, QFN68
Si21692-C	Dual DVB-T2/S2X/S2/T/C/S Digital Demodulator	8 x 8 mm, QFN68
Si21802	Dual ISDB-T and DVB-C2/S2X/S2/T/C/S Digital Demodulator	8 x 8 mm, QFN68
Si21812	Dual ISDB-T and DVB-C2/T2/T/C Digital Demodulator	8 x 8 mm, QFN68
Si21822	Dual ISDB-T and DVB-T2/S2X/S2/T/C/S Digital Demodulator	8 x 8 mm, QFN68
Si21832	Dual ISDB-T and DVB-C2/T2/S2X/S2/T/C/S Digital Demodulator	8 x 8 mm, QFN68

TV Tuners

PART NUMBER	DESCRIPTION	PACKAGE
Si2177	Worldwide Digital and Analog TV Tuner with Analog Demodulator for NTSC, PAL/SECAM, ATSC/QAM, DVBT2/T/C2/C, ISDB-T/C, DTMB	QFN28
Si2157	Worldwide Digital and Analog TV Tuner for NTSC, PAL/SECAM, ATSC/QAM, DVBT2/T/C2/C, ISDB-T/C, DTMB	QFN28
Si2147	Worldwide Digital TV Tuner for NTSC, PAL/SECAM, ATSC/QAM, DVBT2/T/C2/C, ISDB-T/C, DTMB	QFN28
Si2137	Worldwide Analog TV Tuner with Analog Demodulator for NTSC, PAL/SECAM, ATSC/QAM, DVBT2/T/C2/C, ISDB-T/C, DTMB	QFN28
Si2127	Worldwide Analog TV Tuner for NTSC, PAL/SECAM, ATSC/QAM, DVBT2/T/C2/C, ISDB-T/C, DTMB	QFN28
Si2151	Worldwide Digital and Analog TV Tuner for NTSC, PAL/SECAM, ATSC/QAM, DVB-T2/T/C2/C, ISDB-T/C, DTMB	QFN24
Si2141	Worldwide Digital TV Tuner for ATSC/QAM, DVBT2/T/C2/C, ISDB-T/C, DTMB	QFN24
Si2144	Worldwide Digital Set-Top Box Tuner for ATSC/QAM, DVB-T2/C2/T/C, ISDB-T/C, DTMB	QFN24
Si2124	Digital Terrestrial Set-Top Box Tuner for ATSC/QAM, DVB-T2/T, ISDB-T	QFN24



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Analog Interface ProSLICs®

PART NUMBER	# OF FXS CHANNELS	# OF FXO CHANNELS	MAX V BATTERY	WIDEBAND AUDIO	DTMF DETECTION	PULSE METERING	TRACKING DC-DC	SHARED DC-DC	DAISY-CHAIN MODE	PACKAGE
SI32391	1	—	-136	✓	—	—	✓	—	—	QFN48
SI32392	2	—	-136	✓	—	—	✓	—	—	QFN48

Digital Integrated Serial Interface (ISI) ProSLICs

PART NUMBER	# OF FXS CHANNELS	# OF FXO CHANNELS	MAX V BATTERY	WIDEBAND AUDIO	DTMF DETECTION	PULSE METERING	TRACKING DC-DC	SHARED DC-DC	DAISY-CHAIN MODE	PACKAGE
SI32172	1	—	-110	✓	—	—	✓	—	—	LGA42
SI32173	1	—	-140	✓	—	—	✓	—	—	LGA42
SI32175	1	—	-110	—	✓	✓	✓	—	—	LGA42
SI32266	2	—	-110	✓	✓	✓	✓	—	—	LGA50
SI32267	2	—	-140	✓	✓	✓	✓	—	—	LGA50
SI32268	2	—	-110	✓	✓	✓	—	✓	—	LGA50
SI32269	2	—	-140	✓	✓	✓	—	✓	—	LGA50

Digital PCM ProSLIC

PART NUMBER	# OF FXS CHANNELS	# OF FXO CHANNELS	MAX V BATTERY	WIDEBAND AUDIO	DTMF DETECTION	PULSE METERING	TRACKING DC-DC	SHARED DC-DC	DAISY-CHAIN MODE	PACKAGE
SI32170	1	—	-140	—	✓	✓	✓	—	✓	LGA42
SI32171	1	—	-110	—	✓	✓	✓	—	✓	LGA42
SI32174	1	—	-110	✓	✓	—	✓	—	✓	LGA42
SI32176	1	—	-110	✓	—	—	✓	—	✓	LGA42
SI32177	1	—	-140	✓	—	—	✓	—	✓	LGA42
SI32178	1	1	-110	✓	✓	—	✓	—	✓	LGA42
SI32179	1	1	-136	✓	✓	—	✓	—	✓	LGA42
SI32260-FM1	2	—	-110	✓	✓	✓	✓	✓	✓	LGA60
SI32260-FM2	2	—	-110	✓	✓	✓	✓	—	—	LGA47
SI32261-FM1	2	—	-140	✓	✓	✓	✓	✓	✓	LGA60
SI32261-FM2	2	—	-140	✓	✓	✓	✓	—	—	LGA47

Voice Codec

PART NUMBER	MICROPHONE AMPLIFIER	INPUT MIXER	HEADPHONE DRIVER	HANDSET HYBRID	PACKAGE
SI3000	✓	✓	✓	✓	SOIC16



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PART NUMBER	MAX DATA RATE (BPS)	LINE SIDE DEVICE	HOST INTERFACE	HANDSET, TAM AND SPEAKERPHONE	ERROR CORRECTION/ DATA COMPRESSION	PACKAGE
SI2401	2400	Si3010	UART	—	—	SOIC16
SI2404	2400	Si3010	Parallel; SPI; UART	—	✓	SOIC16; TSSOP24
SI2415	14400	Si3018	Parallel; SPI; UART	—	✓	SOIC16; TSSOP24
SI2417	—	Si3018	Parallel; UART	—	—	TSSOP24
SI2434	33600	Si3018	Parallel; SPI; UART	—	✓	SOIC16; TSSOP24
SI2435	—	Si3018	Parallel; UART	—	—	TSSOP24
SI2439	33600	Si3018	Parallel; SPI; UART	✓	✓	QFN38
SI2457	56000	Si3018	Parallel; SPI; UART	—	✓	SOIC16; TSSOP24
SI2493	56000	Si3018	Parallel; SPI; UART	—	✓	SOIC16; TSSOP24
SI2494	56000	Si3018	Parallel; SPI; UART	✓	✓	QFN38

Silicon DAAs

PART NUMBER	HOST INTERFACE	REGION	LINE VOLTAGE MONITOR	BOM COMPONENTS	AC TERMINATION SETTINGS	PACKAGE
SI3056	SSI	Global	✓	32	4; 16	SOIC16; SOIC16 + SOIC8
SI306x	Integrated in host	Global	✓	32	1; 2; 4	SOIC8; SOIC16

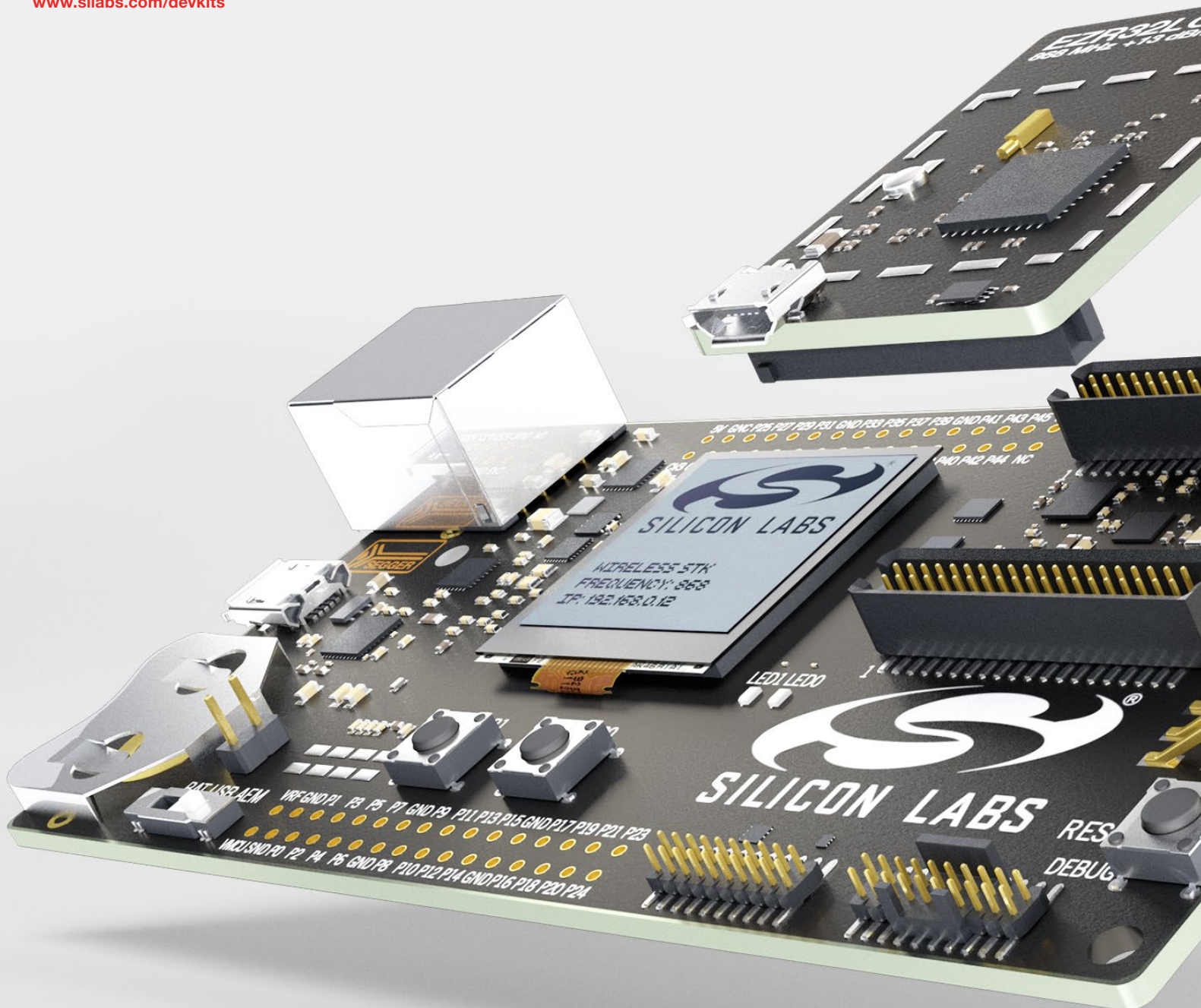
Power over Ethernet Controllers

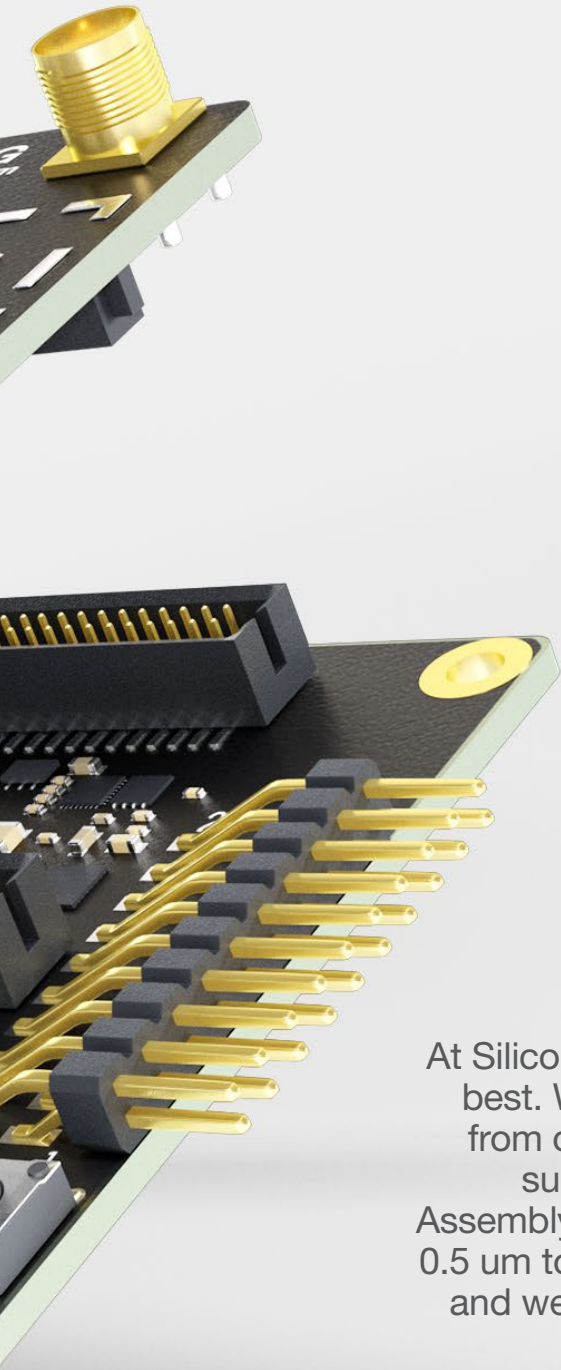
PART NUMBER	PART DESCRIPTION	TEMPERATURE RANGE	MAX OUTPUT POWER	PACKAGE
SI3402	PoE PD Interface with DCDC Converter	-40 to 85 °C	17 W	QFN20
SI3452-B02-GM	PoE Quad PSE Port Controller w Shutdown	-40 to 85 °C	40 W	QFN40
SI3452A-B02-GM	PoE Quad PSE Port Controller PoE AltA	-40 to 85 °C	40 W	QFN40
SI3452B-B02-GM	PoE Quad PSE Port Controller PoE AltB	-40 to 85 °C	40 W	QFN40
SI3452C-B02-GM	PoE Quad PSE Port Controller PoE+ AltA	-40 to 85 °C	40 W	QFN40
SI3452D-B02-GM	PoE Quad PSE Port Controller PoE+ AltB	-40 to 85 °C	40 W	QFN40
SI3462	PoE PSE Single Port Controller with PoE+	-40 to 85 °C	30 W	QFN11
SI3480	PoE Power Management IC for 8 ports	-40 to 85 °C	30 W	QFN24
SI3482	PoE Power Management IC for 48 ports	-40 to 85 °C	30 W	QFN24
SI3500-A-GM	PoE 50V Input DCDC Converter	-40 to 85 °C	17 W	QFN20

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