

FREESCALE Flexis™ Microcontroller Series



MCU / MPU / DSP
Freescale

Freescale's Flexis Series Microcontrollers provide the industry's first roadmap for 8- and 32-bit compatible architectures. From the S08 controllers to the full-featured ColdFire® devices, the Flexis Series is a range of compatible MCUs sharing tools and peripherals to ease your design process and accelerate your time to market. This means that you can move from one device to the next compatible device, from the low end to the high end.

FLEXIS AC FAMILY - S08AC 8-BIT LARGE APPLIANCE / INDUSTRIAL MCU'S

RoHS Compliant
For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Internal Flash (Bytes)	Internal RAM (Bytes)	Serial Interface Type	Bus Freq. (MHz)	Timer Channels	Supply Voltage (Max.)	I/O Pins	ADC	Price Each			
											1	25	50	100
841-MC9S08AC8CFDE	MC9S08AC8CFDE	QFN 48 EP	8K	700	I2C, SCI, SPI	20	4, 2, 2	5.5	38	8-ch. / 10-bit				
841-MC9S08AC8CFGE	MC9S08AC8CFGE	LQFP 44	8K	700	I2C, SCI, SPI	20	4, 2, 2	5.5	34	8-ch. / 10-bit				
841-MC9S08AC8CFJE	MC9S08AC8CFJE	LQFP 32	8K	700	I2C, SCI, SPI	20	2, 2	5.5	22	6-ch. / 10-bit				
841-MC9S08AC8MFDE	MC9S08AC8MFDE	QFN 48 EP	8K	700	I2C, SCI, SPI	20	4, 2, 2	5.5	38	8-ch. / 10-bit				
841-MC9S08AC8MFGE	MC9S08AC8MFGE	LQFP 44	8K	700	I2C, SCI, SPI	20	4, 2, 2	5.5	34	8-ch. / 10-bit				
841-MC9S08AC8MFJE	MC9S08AC8MFJE	LQFP 32	8K	700	I2C, SCI, SPI	20	2, 2	5.5	22	6-ch. / 10-bit				
841-MC9S08AC16CFDE	MC9S08AC16CFDE	QFN 48 EP	16K	1000	I2C, SCI, SPI	20	4, 2	5.5	38	8-ch. / 10-bit				
841-MC9S08AC16CFGE	MC9S08AC16CFGE	LQFP 44	16K	1000	I2C, SCI, SPI	20	4, 2, 2	5.5	34	8-ch. / 10-bit				
841-MC9S08AC16CFJE	MC9S08AC16CFJE	LQFP 32	16K	1000	I2C, SCI, SPI	20	2	5.5	22	6-ch. / 10-bit				
841-MC9S08AC16MFDE	MC9S08AC16MFDE	QFN 48 EP	16K	1000	I2C, SCI, SPI	20	4, 2, 2	5.5	38	8-ch. / 10-bit				
841-MC9S08AC16MFGE	MC9S08AC16MFGE	LQFP 44	16K	1000	I2C, SCI, SPI	20	4, 2, 2	5.5	34	8-ch. / 10-bit				
841-MC9S08AC16MFJE	MC9S08AC16MFJE	LQFP 32	16K	1000	I2C, SCI, SPI	20	2, 2	5.5	22	6-ch. / 10-bit				
841-MC9S08AC32CFDE	MC9S08AC32CFDE	QFN 48 EP	32000	2000	I2C, SCI, SPI	20	4, 2, 2	5.5	38	8-ch. / 10-bit				
841-MC9S08AC32CFGE	MC9S08AC32CFGE	LQFP 44	32000	2000	I2C, SCI, SPI	20	4, 2, 2	5.5	34	8-ch. / 10-bit				
841-MC9S08AC32CFJE	MC9S08AC32CFJE	LQFP 32	32000	2000	I2C, SCI, SPI	20	2, 2	5.5	22	6-ch. / 10-bit				
841-MC9S08AC32CFUE	MC9S08AC32CFUE	QFP 64	32000	2000	I2C, SCI, SPI	20	6, 2	5.5	54	16-ch. / 10-bit				
841-MC9S08AC32CPUE	MC9S08AC32CPUE	LQFP 64	32000	2000	I2C, SCI, SPI	20	6, 2, 2	5.5	54	16-ch. / 10-bit				
841-MC9S08AC32MFUE	MC9S08AC32MFUE	QFP 64	32K	2K	I2C, SCI, SPI	20	6, 2, 2	5.5	54	10-bit / 16-ch				
841-MC9S08AC32MPUE	MC9S08AC32MPUE	LQFP 64	32K	2K	I2C, SCI, SPI	20	6, 2, 2	5.5	54	10-bit / 16-ch				
841-MC9S08AC48CFDE	MC9S08AC48CFDE	QFN 48 EP	48K	2K	I2C, SCI, SPI	20	4, 2, 2	5.5	38	8-ch. / 10-bit				
841-MC9S08AC48CFGE	MC9S08AC48CFGE	LQFP 44	48K	2K	I2C, SCI, SPI	20	4, 2, 2	5.5	34	8-ch. / 10-bit				
841-MC9S08AC48CFJE	MC9S08AC48CFJE	LQFP 32	48000	2000	I2C, SCI, SPI	20	2, 2	5.5	22	6-ch. / 10-bit				
841-MC9S08AC48CFUE	MC9S08AC48CFUE	QFP 64	48K	2K	I2C, SCI, SPI	20	6, 2, 2	5.5	54	16-ch. / 10-bit				
841-MC9S08AC48CPUE	MC9S08AC48CPUE	LQFP 64	48000	2000	I2C, SCI, SPI	20	6, 2, 2	5.5	54	16-ch. / 10-bit				
841-MC9S08AC60CFDE	MC9S08AC60CFDE	QFN 48 EP	60000	2000	I2C, SCI, SPI	20	4, 2, 2	5.5	38	8-ch. / 10-bit				
841-MC9S08AC60CFGE	MC9S08AC60CFGE	LQFP 44	60000	2000	I2C, SCI, SPI	20	4, 2, 2	5.5	34	8-ch. / 10-bit				
841-MC9S08AC60CFJE	MC9S08AC60CFJE	LQFP 32	60000	2000	I2C, SCI, SPI	20	2, 2	5.5	22	6-ch. / 10-bit				
841-MC9S08AC60CFUE	MC9S08AC60CFUE	QFP 64	60000	2000	I2C, SCI, SPI	20	6, 2, 2	5.5	54	16-ch. / 10-bit				
841-MC9S08AC60CPUE	MC9S08AC60CPUE	LQFP 64	60000	2000	I2C, SCI, SPI	20	6, 2, 2	5.5	54	16-ch. / 10-bit				
841-MC9S08AC60MPUE	MC9S08AC60MPUE	LQFP 64	60K	2K	I2C, SCI, SPI	20	6, 2, 2	5.5	54	10-bit / 16-ch				
841-MC9S08AC96CFGE	MC9S08AC96CFGE	LQFP 44	96K	6K	I2C, SCI, SPI	20	-	5	38	8-ch. / 10-bit				
841-MC9S08AC96CFUE	MC9S08AC96CFUE	QFP 64	96K	6K	I2C, SCI, SPI	20	-	5	54	16-ch. / 10-bit				
841-MC9S08AC96CLKE	MC9S08AC96CLKE	LQFP 80	96K	6K	I2C, SCI, SPI	20	-	5	70	16-ch. / 10-bit				
841-MC9S08AC128CFGE	MC9S08AC128CFGE	LQFP 44	128000	8000	I2C, SCI, SPI	20	6, 6, 2	5	34	16-ch. / 10-bit				
841-MC9S08AC128CFUE	MC9S08AC128CFUE	QFP 64	128000	8000	I2C, SCI, SPI	20	6, 6, 2	5	54	16-ch. / 10-bit				
841-MC9S08AC128CLKE	MC9S08AC128CLKE	LQFP 80	128000	8000	I2C, SCI, SPI	20	6, 6, 2	5	69	16-ch. / 10-bit				
841-MC9S08AC128MLKE	MC9S08AC128MLKE	LQFP 80	128K	8K	I2C, SCI, SPI	20	6, 2	5.5	70	-				

FLEXIS JM FAMILY - S08JM 8-BIT USB MCU'S

The S08JM family extends Freescale's 8-bit embedded USB controller family with up to 60 Kbytes of Flash memory, a full speed USB 2.0 device controller and a 12-channel, 12-bit analog-to-digital converter. The S08 JM family also has several system protection features, such as low voltage detect and a Computer Operating Property (COP) module. The S08JM family devices, are supported by the Freescale USB-LITE Stack by CMX, providing a direct migration path to high performing USB microcontrollers

RoHS Compliant
For quantities of 250 and up, call for quote.

841-MC9S08JM8CGT	MC9S08JM8CGT	QFN 48 EP	8K	1K	SPI, I2C, SCI, USB	24	4, 2	5.5	37	12-bit / 8-ch				
841-MC9S08JM8CLC	MC9S08JM8CLC	LQFP 32	8K	1K	SPI, I2C, SCI, USB	24	2	5.5	21	12-bit / 4-ch				
841-MC9S08JM8CLD	MC9S08JM8CLD	LQFP 44	8K	1K	SPI, I2C, SCI, USB	24	4, 2	5.5	33	12-bit / 8-ch				
841-MC9S08JM16CGT	MC9S08JM16CGT	QFN 48 EP	16K	1K	SCI, SPI, I2C, USB	24	4, 2	5.5	37	12-bit / 8-ch				
841-MC9S08JM16CLC	MC9S08JM16CLC	LQFP 32	16K	1K	SPI, I2C, SCI, USB	24	2	5.5	21	12-bit / 4-ch				
841-MC9S08JM16CLD	MC9S08JM16CLD	LQFP 44	16K	1K	SPI, I2C, SCI, USB	24	4, 2	5.5	33	12-bit / 8-ch				
841-MC9S08JM32CGT	MC9S08JM32CGT	QFN 48	32768	3K	SPI, I2C, SCI, USB 2.0	24	4, 2	5.5	37	12-bit / 12-ch				
841-MC9S08JM32CLD	MC9S08JM32CLD	LQFP 44	32768	3K	SPI, I2C, SCI, USB 2.0	24	4, 2	5.5	33	12-bit / 12-ch				
841-MC9S08JM32CLH	MC9S08JM32CLH	LQFP 64	32768	3K	SPI, I2C, SCI, USB 2.0	24	6, 2	5.5	51	12-bit / 12-ch				
841-MC9S08JM32CQH	MC9S08JM32CQH	QFP 64	32768	3K	SPI, I2C, SCI, USB 2.0	24	6, 2	5.5	51	12-bit / 12-ch				
841-MC9S08JM60CGT	MC9S08JM60CGT	QFN 48	60912	4K	SPI, I2C, SCI, USB 2.0	24	4, 2	5.5	37	12-bit / 12-ch				
841-MC9S08JM60CLD	MC9S08JM60CLD	LQFP 44	60912	4K	SPI, I2C, SCI, USB 2.0	24	4, 2	5.5	33	12-bit / 12-ch				
841-MC9S08JM60CLH	MC9S08JM60CLH	LQFP 64	60912	4K	SPI, I2C, SCI, USB 2.0	24	6, 2	5.5	51	12-bit / 12-ch				
841-MC9S08JM60CQH	MC9S08JM60CQH	QFP 64	60912	4K	SPI, I2C, SCI, USB 2.0	24	6, 2	5.5	51	12-bit / 12-ch				

FLEXIS JM FAMILY - MCF51JM 32-BIT V1 COLD-FIRE® USB MCU'S



RoHS Compliant

For quantities of 250 and up, call for quote.

841-MCF51JM32VLD	MCF51JM32VLD	LQFP 44	32K	16K	SCI, SPI, I2C, USB	25	4, 2	5.5	33	12-bit / 12-ch				
841-MCF51JM32VQH	MCF51JM32VQH	QFP 64	32K	16K	SCI, SPI, I2C, CAN, USB	25	16, 2	5.5	51	12-bit / 12-ch				
841-MCF51JM64EVLK	MCF51JM64EVLK	LQFP 80	64000	8000	SCI, SPI, I2C, USB, CAN	24	6, 2	5.5	66	12-ch / 12-bit				
841-MCF51JM64VLD	MCF51JM64VLD	LQFP 44	64000	8000	SCI, SPI, I2C, USB, CAN	24	4, 2	5.5	33	8-ch / 12-bit				
841-MCF51JM64VLH	MCF51JM64VLH	LQFP 64	64000	8000	SCI, SPI, I2C, USB, CAN	24	6, 2	5.5	51	12-ch / 12-bit				
841-MCF51JM64VLK	MCF51JM64VLK	LQFP 80	64000	8000	SCI, SPI, I2C, USB, CAN	24	6, 2	5.5	66	12-ch / 12-bit				
841-MCF51JM64VQH	MCF51JM64VQH	QFP 64	64000	8000	SCI, SPI, I2C, USB, CAN	24	6, 2	5.5	51	12-ch / 12-bit				
841-MCF51JM128EVLK	MCF51JM128EVLK	LQFP 80	128000	16000	SCI, SPI, I2C, USB, CAN	24	6, 2	5.5	66	12-ch / 12-bit				
841-MCF51JM128VLD	MCF51JM128VLD	LQFP 44	128000	16000	SCI, SPI, I2C, USB, CAN	24	4, 2	5.5	33	8-ch / 12-bit				
841-MCF51JM128VLH	MCF51JM128VLH	LQFP 64	128000	16000	SCI, SPI, I2C, USB, CAN	24	6, 2	5.5	51	12-ch / 12-bit				
841-MCF51JM128VLK	MCF51JM128VLK	LQFP 80	128000	16000	SCI, SPI, I2C, USB, CAN	24	6, 2	5.5	66	12-ch / 12-bit				
841-MCF51JM128VQH	MCF51JM128VQH	QFP 64	128000	16000	SCI, SPI, I2C, USB, CAN	24	6, 2	5.5	51	12-ch / 12-bit				

FLEXIS QE FAMILY - S08QE 8-BIT LOW POWER MCU'S

The Flexis QE series hosts Freescale's new ultra-low-power technology that reduces power consumption while meeting your target performance needs. The Flexis devices also share common sets of peripherals and development tools to deliver the ultimate in migration flexibility. The MC9S08QE128 (8-bit) and MCF51QE128 (32-bit) devices are available to maximize your performance while minimizing your power and allowing easy migration and development. The QE family, comprised of a pin-compatible 8-bit and 32-bit device duo, is the first family in the Flexis series.

RoHS Compliant
For quantities of 250 and up, call for quote.

841-MC9S08QE4CPG	MC9S08QE4CPG	PDIP 16	4000	256	SCI, I2C, SPI	10	2	1.8 to 3.6	12	10-bit / 8-ch				
841-MC9S08QE4CTG	MC9S08QE4CTG	TSSOP 16	4000	256	SCI, I2C, SPI	10	2	1.8 to 3.6	12	10-bit / 8-ch				
841-MC9S08QE4CJWJ	MC9S08QE4CJWJ	SOIC 20W	4000	256	SCI, I2C, SPI	10	3	1.8 to 3.6	16	12-bit / 10-ch				
841-MC9S08QE4CWL	MC9S08QE4CWL	SOIC 28W	4000	256	SCI, I2C, SPI	10	3	1.8 to 3.6	22	12-bit / 10-ch				
841-MC9S08QE8CLC	MC9S08QE8CLC	32 LQFP	8K	512	SCI, I2C, SPI	10	3, 3	3.6	26	12-bit / 10-ch				
841-MC9S08QE8CWL	MC9S08QE8CWL	28 SOIC	8K	512	SCI, I2C, SPI	10	3, 3	3.6	22	12-bit / 10-ch				
841-MC9S08QE8CJWJ	MC9S08QE8CJWJ	20 SOIC	8K	512	SCI, I2C, SPI	10	3, 3	3.6	16	12-bit / 10-ch				
841-MC9S08QE8CTG	MC9S08QE8CTG	16 TSSOP	8K	512	SCI, I2C, SPI	10	2, 2	3.6	12	10-bit / 8-ch				
841-MC9S08QE8CPG	MC9S08QE8CPG	16 PDIP	8K	512	SCI, I2C, SPI	10	2, 2	3.6	12	10-bit / 8-ch				
841-MC9S08QE16CLD	MC9S08QE16CLD	LQFP 44	16K	1K	SPI, SCI, I2C	25	3, 6	3.6	34	12-bit / 10-ch				
841-MC9S08QE64CLC	MC9S08QE64CLC	LQFP 32	64K	4K	SPI, SCI, I2C	25	3, 6	3.6	26	12-bit / 10-ch				
841-MC9S08QE64CLH	MC9S08QE64CLH	LQFP64	64K	4K	SCI, I2C, SPI	20, 50	3, 3, 6	3.6	54	12-bit / 22-ch				
841-MC9S08QE128CLH	MC9S08QE128CLH	LQFP64	128K	8K	SCI, I2C, SPI	20, 50	3, 3, 6	3.6	54	12-bit / 22-ch				
841-MC9S08QE128CLK	MC9S08QE128CLK	LQFP 80	128K	8K	SCI, I2C, SPI	20, 50	3, 3, 6	3.6	70	12-bit / 24-ch				