

FREESCALE 8-Bit Microcontrollers



RoHS Compliant This product is RoHS compliant.

HCS08 CORE MICROCONTROLLERS (CONT.)

S08QD Family - High Performance 5-Volt with 10-Bit AD

For quantities 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Timer Channels	Bus Freq. (MHz)	Supply Voltage (V) (Max.)	I/O Pins	ADC	Price Each			
Mfr.	Mfr. Part No.										1	25	50	100
841	—MC9S08QD2CSC	DEMO9S08QD4	SOIC 8	128	2000	1, 2	8	5.5	-	12-bit / 8-ch				
841	—MC9S08QD2CPC	DEMO9S08QD4	PDIP 8	128	2000	1, 2	8	5.5	-	10-bit / 4-ch				
841	—MC9S08QD2MPC	DEMO9S08QD4	PDIP 8	128	2000	1, 2	8	5.5	6	10-bit / 4-ch				
841	—MC9S08QD2MSC	DEMO9S08QD4	SOIC 8	128	2000	1, 2	8	5.5	6	10-bit / 4-ch				
841	—MC9S08QD2VPC	DEMO9S08QD4	PDIP 8	128	2000	1, 2	8	5.5	6	10-bit / 4-ch				
841	—MC9S08QD2VSC	DEMO9S08QD4	SOIC 8	128	2000	1, 2	8	5.5	6	10-bit / 4-ch				
841	—MC9S08QD4CPC	DEMO9S08QD4	PDIP 8	256	4K	1, 2	8	5.5	4	10-bit / 4-ch				
841	—MC9S08QD4CSC	DEMO9S08QD4	SOIC 8	256	4K	1, 2	8	5.5	4	10-bit / 4-ch				
841	—MC9S08QD4MPC	DEMO9S08QD4	PDIP 8	256	4K	1, 2	8	5.5	6	10-bit / 4-ch				
841	—MC9S08QD4MSC	DEMO9S08QD4	SOIC 8	256	4K	1, 2	8	5.5	6	10-bit / 4-ch				
841	—MC9S08QD4VPC	DEMO9S08QD4	PDIP 8	256	4K	2, 1	8	5.5	4	10-bit / 4-ch				
841	—MC9S08QD4VSC	DEMO9S08QD4	SOIC 8	256	4K	1, 2	8	5.5	4	16-bit / 4-ch				

S08QG Family - High Performance 1.8 to 3.3-Volt up to 8K Flash

For quantities 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Serial Interface Type	Timer Channels	Bus Freq. (MHz)	Supply Voltage (V) (Max.)	I/O Pins	ADC	Price Each			
Mfr.	Mfr. Part No.											1	25	50	100
841	—MC9S08QG4CDNE	DEMO9S08QG8E	SOIC 8	256	4K	I2C, SCI, SPI	1, 1	10	3.6	4	10-bit / 4-ch				
841	—MC9S08QG4CDTE	DEMO9S08QG8E	TSSOP 16	256	4K	I2C, SCI, SPI	1, 1	10	3.6	12	10-bit / 8-ch				
841	—MC9S08QG4CFFE	DEMO9S08QG8E	QFN 16	256	4K	I2C, SCI, SPI	1, 2	10	3.6	12	10-bit / 8-ch				
841	—MC9S08QG4CFQE	DEMO9S08QG8E	QFN-D 8	256	4K	I2C, SCI, SPI	1, 2	10	3.6	4	10-bit / 4-ch				
841	—MC9S08QG4CPAE	DEMO9S08QG8E	PDIP 8	256	4K	I2C, SCI, SPI	1, 2	10	3.6	4	10-bit / 4-ch				
841	—MC9S08QG8CDNE	DEMO9S08QG8E	SOIC 8	512	8K	I2C, SCI, SPI	1, 2	10	3.6	4	10-bit / 4-ch				
841	—MC9S08QG8CDTE	DEMO9S08QG8E	TSSOP 16	512	8K	I2C, SCI, SPI	1, 2	10	3.6	12	10-bit / 8-ch				
841	—MC9S08QG8CFFE	DEMO9S08QG8E	QFN 16	512	8K	I2C, SCI, SPI	1, 2	10	3.6	12	10-bit / 8-ch				
841	—MC9S08QG8CFQE	DEMO9S08QG8E	QFN-D 8	512	8K	I2C, SCI, SPI	1, 2	10	3.6	4	10-bit / 4-ch				
841	—MC9S08QG8CPBE	DEMO9S08QG8E	PDIP 16	513	8K	I2C, SCI, SPI	1, 2	10	3.6	12	10-bit / 8-ch				

S08R 8-bit MCU Family

For quantities 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Timer Channels	Bus Freq. (MHz)	Supply Voltage (V) (Max.)	I/O Pins	Operating Temperature	Price Each			
Mfr.	Mfr. Part No.										1	25	50	100
841	—MC9S08RD8CDWE	DEMO9S08RG60E	SOIC 28W	1000	8000	2	8	3.6	23	-40 to 85°C				
841	—MC9S08RD8DWE	DEMO9S08RG60E	SOIC 28W	1000	8000	2	8	3.6	23	-				
841	—MC9S08RD16CDWE	DEMO9S08RG60E	SOIC 28W	1000	16000	2	8	3.6	23	-40 to 85°C				
841	—MC9S08RD16CPE	DEMO9S08RG60E	PDIP 28	1000	16000	2	8	3.6	23	-40 to 85°C				
841	—MC9S08RD16DWE	DEMO9S08RG60E	SOIC 28W	1000	16000	2	8	3.6	23	-40 to 85°C				
841	—MC9S08RD16PE	DEMO9S08RG60E	PDIP 28	1000	16000	2	8	3.6	23	-40 to 85°C				
841	—MC9S08RD32DWE	DEMO9S08RG60E	SOIC 28W	2000	32000	2	8	3.6	23	-				
841	—MC9S08RD32PE	DEMO9S08RG60E	PDIP 28	2000	32000	2	8	3.6	23	-				
841	—MC9S08RD60CPE	DEMO9S08RG60E	PDIP 28	2000	60000	2	8	3.6	23	-40 to 85°C				
841	—MC9S08RD60DWE	DEMO9S08RG60E	SOIC 28W	2000	60000	2	8	3.6	23	-40 to 85°C				
841	—MC9S08RE8CFGE	DEMO9S08RG60E	LQFP 44	1000	8000	2	8	3.6	39	-40 to 85°C				
841	—MC9S08RE16FGE	DEMO9S08RG60E	LQFP 44	1000	16000	2	8	3.6	39	-40 to 85°C				
841	—MC9S08RG32CFGE	DEMO9S08RG60E	LQFP 44	1024	32768	2	8	3.6	39	-40 to 85°C				
841	—MC9S08RG32FGE	DEMO9S08RG60E	LQFP 44	2000	32000	2	8	3.6	39	-40 to 85°C				
841	—MC9S08RG60CFGE	DEMO9S08RG60E	LQFP 44	2000	60000	2	8	3.6	39	-40 to 85°C				
841	—MC9S08RG60CFJE	DEMO9S08RG60E	LQFP 32	2000	60000	2	8	3.6	27	-40 to 85°C				
841	—MC9S08RG60FGE	DEMO9S08RG60E	LQFP 44	2000	60000	2	8	3.6	39	-40 to 85°C				

S08SE Family - General purpose Industrial and Consumer Appliance Applications in the 3v - 5v range

For quantities 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Serial Interface Type	Timer Channels	Bus Freq. (MHz)	Supply Voltage (V) (Max.)	I/O Pins	Core Operating Freq. (Max) (MHz)	ADC	Price Each			
Mfr.	Mfr. Part No.												1	25	50	100
841	—MC9S08SE4CRL	DEMO9S08SE8	PDIP 28	4	256	SCI	2, 1	10	5.5	24	20	10-bit / 10-ch.				
841	—MC9S08SE4CTG	DEMO9S08SE8	TSSOP 16	4	256	SCI	2, 1	10	5.5	14	20	10-bit / 10-ch.				
841	—MC9S08SE4CWL	DEMO9S08SE8	SOIC 28W	4	256	SCI	2, 1	10	5.5	24	20	10-bit / 10-ch.				
841	—MC9S08SE8CRL	DEMO9S08SE8	PDIP 28	8	512	SCI	2, 1	10	5.5	24	20	10-bit / 10-ch.				
841	—MC9S08SE8CTG	DEMO9S08SE8	TSSOP 16	8	512	SCI	2, 1	10	5.5	14	20	10-bit / 10-ch.				
841	—MC9S08SE8CWL	DEMO9S08SE8	SOIC 28W	8	512	SCI	2, 1	10	5.5	24	20	10-bit / 10-ch.				

S08SH 5-Volt 8-Bit MCU'S with SCI, SPI, ADC and Analog Comparators

The S08SH family offers a new low-end option for applications in the 5 volt range

For quantities 250 and up, call for quote.

MOUSER STOCK NO.		Development Kit Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Serial Interface Type	Timer Channels	Bus Freq. (MHz)	Supply Voltage (V) (Max.)	I/O Pins	ADC	Price Each			
Mfr.	Mfr. Part No.											1	25	50	100
841	—MC9S08SH4CFK	DEMO9S08SH	QFN 24 EP	256	4K	SPI,I2C,SCI	1, 2	20	5.5	17	10-bit / 12-ch				
841	—MC9S08SH4CPJ	DEMO9S08SH8	PDIP 20	256	4K	SPI, I2C, SCI	1, 2	20	5.5	17	10-bit / 12-ch				
841	—MC9S08SH4CSC	DEMO9S08SH8	SOIC 8	256	4K	I2C	1, 2	20	5.5	5	10-bit / 12-ch				
841	—MC9S08SH4CTG	DEMO9S08SH8	TSSOP 16	256	4K	SPI, I2C, SCI	1, 2	20	5.5	13	10-bit / 12-ch				
841	—MC9S08SH4CTJ	DEMO9S08SH8	TSSOP 20	256	4K	SPI, I2C, SCI	1, 2	20	5.5	17	10-bit / 12-ch				
841	—MC9S08SH4CJW	DEMO9S08SH	SOIC 20W	256	4K	SPI,I2C,SCI	1, 2	20	5.5	17	10-bit / 12-ch				
841	—MC9S08SH4MPJ	DEMO9S08SH8	PDIP 20	256	4K	SPI, I2C, SCI	1, 1	20	5.5	17	10-bit / 12-ch				
841	—MC9S08SH4MSC	DEMO9S08SH8	SOIC 8	256	4K	I2C	1, 1	20	5.5	4	10-bit / 12-ch				
841	—MC9S08SH4MTG	DEMO9S08SH8	TSSOP 16	256	4K	SPI, I2C, SCI	1, 2	20	5.5	13	10-bit / 12-ch				
841	—MC9S08SH4MTJ	DEMO9S08SH8	TSSOP 20	256	4K	SPI, I2C, SCI	1, 2	20	5.5	17	10-bit / 12-ch				

