

FREESCALE 8-Bit Microcontrollers



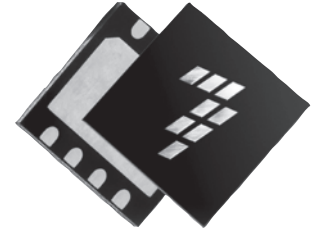
HC08 CORE MICROCONTROLLERS

Freescale's HC08 Family of 8-bit microcontrollers are small, general purpose, low-power and feature rich. The HC08 Core products are highly integrated, general purpose devices with ADC, analog comparator, multiple communications options, timers, and on-chip I/O.

From a basic bare-bones controller in a tiny 8-pin quad flat non-leaded (QFN) package to feature-rich silicon in a 64-lead quad flat package (QFP), the HC08 MCU is an industry workhorse that can flaunt an impressive array of peripherals.

Here's just a sampling:

- 8- or 10-bit analog-to-digital converters (ADCs)
- Multichannel timers
- A wide variety of communications protocol support, including universal serial bus (USB), controller area network (CAN), local interconnect network (LIN), J1850 and radio frequency (RF)



◆ Surface Mount Device

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	Serial Interface Type	Timer Channels	Bus Freq. (MHz)	Supply Voltage (V) (Max.)	I/O Pins	Operating Temperature	ADC	Price Each		
												1	25	100
◆ 841-MC908AZ32ACFUE	MC908AZ32ACFUE	QFP 64	1k	32k	SCI, SPI, CAN	2, 6	8	5.5	52	-40 - 85°C	-----	8.93	8.26	7.36
◆ 841-MC908EY16CFAE	MC908EY16CFAE	LQFP 32	512	16k	SCI, SPI	2	8	5.5	24	-40 - 85°C	-----	4.44	4.11	3.66
◆ 841-MC68HC908GR4CFAE	MC68HC908GR4CFAE	LQFP 32	1k	4k	SPI, ESCI	2	8	5.5	21	-40 - 85°C	8-bit / 6-ch	3.38	3.12	2.78
◆ 841-MC908GR4CPE	MC908GR4CPE	PDIP 28	384	4k	SPI, ESCI	2, 1	8	5.5	17	-40 - 85°C	8-bit / 4-ch	3.38	3.12	2.78
◆ 841-MC68HC908GR8CD	MC908GR8CDWE	SOIC 28W	384	8k	SPI, ESCI	2, 1	8	5.5	17	-40 - 85°C	8-bit / 4-ch	4.95	4.58	4.08
◆ 841-MC908GR8CPE	MC908GR8CPE	PDIP 28	384	8k	SPI, ESCI	2, 1	8	5.5	17	-40 - 85°C	8-bit / 4-ch	4.95	4.58	4.08
◆ 841-MC908GT16CBE	MC908GT16CBE	PSDIP 42	512	16k	SPI, SCI	2	8	5	36	-40 - 85°C	8-bit / 8-ch	6.75	6.24	5.57
◆ 841-MC908GT16CFBE	MC908GT16CFBE	QFP 44	512	16k	SPI, SCI	2, 2	8	5	36	-40 - 85°C	8-bit / 8-ch	6.75	6.24	5.57
◆ 841-MC68908GZ8CFAE	MC68908GZ8CFAE	LQFP 48	1k	8k	SPI, SCI, CAN	2, 2	8	5.5	37	-40 - 85°C	10-bit / 16-ch	5.40	5.00	4.46
◆ 841-MC68908GZ8CFJE	MC68908GZ8CFJE	LQFP 32	1k	8k	SPI, SCI, CAN	2, 1	8	5.5	21	-40 - 85°C	10-bit / 10-ch	5.40	5.00	4.46
◆ 841-MC68908GZ8MFAE	MC68908GZ8MFAE	LQFP 48	1k	8k	SPI, SCI, CAN	2, 2	8	5.5	37	-40 - 125°C	10-bit / 16-ch	5.94	5.49	4.90
◆ 841-MC908GZ16CFAE	MC908GZ16CFAE	LQFP 48	1k	16k	SPI, SCI, CAN	2, 2	8	5.5	37	-40 - 85°C	10-bit / 16-ch	6.30	5.83	5.20
◆ 841-MC908GZ32VFUE	MC908GZ32VFUE	QFP 64	1536	32768	SPI, SCI, CAN	2, 6	8	5.5	53	-40 - 105°C	10-bit / 20-ch	7.11	6.58	5.87
◆ 841-MC908GZ60CFAE	MC908GZ60CFAE	LQFP 48	2k	60k	SPI, SCI, CAN	2, 2	8	5.5	37	-40 - 85°C	10-bit / 8-ch	8.25	7.63	6.81
◆ 841-MC908GZ60CFUE	MC908GZ60CFUE	QFP 64	2k	60k	SPI, SCI, CAN	2, 6	8	5.5	53	-40 - 85°C	10-bit / 20-ch	8.52	7.88	7.03
◆ 841-MC68HC908JB8JPE	MC68HC908JB8JPE	PDIP 20	256	8192	USB 1.1	1	3	5.25	13	0 - 70°C	-----	2.27	2.10	1.87
◆ 841-MC908JB8ADWE	MC908JB8ADWE	SOIC 28W	256	8192	USB 1.1	1	3	5.25	21	0 - 70°C	-----	2.22	2.05	1.83
◆ 841-MC908JB8FBE	MC908JB8FBE	QFP 44	256	8192	USB 1.1	1	3	5.25	37	0 - 70°C	-----	2.20	2.04	1.82
◆ 841-MC908JB16DWE	MC908JB16DWE	SOIC 28W	384	16384	USB 1.1	2	6	---	21	-----	-----	2.73	2.53	2.25
◆ 841-MC908JB16FAE	MC908JB16FAE	LQFP 32	384	16384	USB 1.1	2	6	---	21	-----	-----	2.76	2.55	2.28
◆ 841-MC68HC908JL8CSPE	MC68HC908JL8CSPE	PSDIP 32	256	8192	SCI	2	8	5	26	-40 - 85°C	8-bit / 12-ch	4.88	4.51	4.02
◆ 841-MCHC908JK1ECPE	MCHC908JK1ECPE	PDIP 20	128	1536	-----	2	8	---	14	-40 - 85°C	8-bit / 10-ch	1.88	1.73	1.55
◆ 841-MC908JK8CDWE	MC908JK8CDWE	SOIC 20W	256	8000	SCI	2	8	5	15	-40 - 85°C	8-bit / 10-ch	4.13	3.82	3.40
◆ 841-MC908JL3ECDWE	MC908JL3ECDWE	SOIC 28W	128	4096	-----	2	8	5	23	-40 - 85°C	8-bit / 12-ch	3.15	2.91	2.60
◆ 841-MC908JL3ECPE	MC908JL3ECPE	PDIP 28	128	4096	-----	2	8	5	23	-40 - 85°C	8-bit / 12-ch	3.15	2.91	2.60
◆ 841-MC908JL8CDWE	MC908JL8CDWE	SOIC 28W	256	8192	SCI	2	8	5	23	-40 - 85°C	8-bit / 12-ch	4.43	4.09	3.65
◆ 841-MC908JL16CDWE	MC908JL16CDWE	SOIC 28W	512	16384	SCI, I2C	2	8	5	23	-40 - 85°C	10-bit / 12-ch	2.42	2.23	1.99
◆ 841-MC908JL16CFJE	MC908JL16CFJE	LQFP 32	512	16384	SCI, I2C	2	8	5	23	-40 - 85°C	10-bit / 12-ch	2.49	2.30	2.05
◆ 841-MC908JL16CPE	MC908JL16CPE	PDIP 28	512	16384	SCI, I2C	2	8	5	23	-40 - 85°C	10-bit / 12-ch	2.57	2.37	2.12
◆ 841-MC908JL16CSPE	MC908JL16CSPE	PSDIP 32	512	16384	SCI, I2C	2	8	5	26	-40 - 85°C	10-bit / 13-ch	2.65	2.45	2.19
◆ 841-MCHC908JK3ECPE	MCHC908JK3ECPE	PDIP 20	128	4096	-----	2	8	5	15	-40 - 85°C	8-bit / 12-ch	2.48	2.29	2.04
◆ 841-MC908LJ12CPBE	MC908LJ12CPBE	LQFP 64	512	12288	SCI, SPI	2	8	3.3	32	-40 - 85°C	10-bit / 6-ch	6.26	5.79	5.16
◆ 841-MC908LJ24CFQE	MC908LJ24CFQE	QFP 80	768	24576	IIC, SCI, SPI	2	8	5	40	-40 - 85°C	10-bit / 6-ch	7.80	7.22	6.44
◆ 841-MC908LJ24CFUE	MC908LJ24CFUE	QFP 64	768	24576	IIC, SCI, SPI	2	8	5	40	-40 - 85°C	10-bit / 6-ch	7.35	6.80	6.06
◆ 841-MC908LK24CFUE	MC908LK24CFUE	QFP 64	768	24576	IIC, SCI, SPI	2	8	5	40	-40 - 85°C	10-bit / 6-ch	6.90	6.38	5.69
◆ 841-MCHC908LK24CFQE	MCHC908LK24CFQE	QFP 80	768	24576	IIC, SCI, SPI	2	8	5	40	-40 - 85°C	10-bit / 6-ch	7.35	6.80	6.06
◆ 841-MC908MR16CBE	MC908MR16CBE	PSDIP 56	768	16128	SCI, SPI	4, 2	8.2	5	36	-40 - 85°C	10-bit / 10-ch	6.75	6.24	5.57
◆ 841-MC908MR32CBE	MC908MR32CBE	PSDIP 56	768	32256	SCI, SPI	6	8.2	5	36	-40 - 85°C	10-bit / 10-ch	9.08	8.39	7.49
◆ 841-MC908MR32CFUE	MC908MR32CFUE	QFP 64	768	32256	SCI, SPI	6	8.2	5	44	-40 - 85°C	10-bit / 10-ch	9.08	8.39	7.49
◆ 841-MCHC908MR8CFAE	MCHC908MR8CFAE	LQFP 32	256	8192	SCI	2	8.2	5	14	-40 - 85°C	10-bit / 7-ch	5.40	5.00	4.46
◆ 841-MC3PHACVDWE	MC3PHACVDWE	SOIC 28W	256	8192	SCI	2	8.2	5	14	-40 - 85°C	10-bit / 7-ch	5.57	5.15	4.59
◆ 841-MC3PHACVPE	MC3PHACVPE	PDIP 28	256	8192	SCI	2	8.2	5	14	-40 - 85°C	10-bit / 7-ch	5.57	5.15	4.59
◆ 841-MC908QB8CDTE	MC908QB8CDTE	TSSOP 16	256	8000	SCI, SPI	1	8	5.5	14	-40 - 85°C	10-bit / 10-ch	2.36	2.18	1.94
◆ 841-MC908QB8CDWE	MC908QB8CDWE	SOIC 16W	256	8000	SCI, SPI	1	8	5.5	14	-40 - 85°C	10-bit / 10-ch	2.22	2.05	1.83
◆ 841-MC908QB8MPE	MC908QB8MPE	PDIP 16	256	8000	SCI, SPI	1	8	5.5	14	-40 - 125°C	10-bit / 10-ch	2.44	2.26	2.01
◆ 841-MC908QC16CDRE	MC908QC16CDRE	TSSOP 28	512	16384	SCI, SPI	2, 4	8	5.5	26	-40 - 85°C	10-bit / 10-ch	2.25	2.09	1.86
◆ 841-MC908QC16CDSE	MC908QC16CDSE	TSSOP 20	512	16384	SCI, SPI	2, 4	8	5.5	18	-40 - 85°C	10-bit / 10-ch	2.21	2.04	1.82
◆ 841-MC908QC16CDTE	MC908QC16CDTE	TSSOP 16	512	16384	SCI, SPI	2, 4	8	5.5	14	-40 - 85°C	10-bit / 10-ch	2.19	2.02	1.81
◆ 841-MC908QC16CDXE	MC908QC16CDXE	SOIC 16W	512	16384	SCI, SPI	2, 4	8	5.5	14	-40 - 85°C	10-bit / 10-ch	2.13	1.97	1.76
◆ 841-MC908QC16CDYE	MC908QC16CDYE	SOIC 20	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	-40 - 85°C	≤10-bit / 10-ch	2.16	2.00	1.79
◆ 841-MC908QC16CDZE	MC908QC16CDZE	SOIC 28	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	-40 - 85°C	≤10-bit / 10-ch	2.21	2.04	1.82
◆ 841-MC908QC16MDRE	MC908QC16MDRE	TSSOP 28	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	-40 - 125°C	≤10-bit / 10-ch	2.48	2.29	2.04
◆ 841-MC908QC16MDSE	MC908QC16MDSE	TSSOP 20	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	-40 - 125°C	≤10-bit / 10-ch	2.42	2.24	2.00
◆ 841-MC908QC16VDRE	MC908QC16VDRE	TSSOP 28	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	-40 - 105°C	≤10-bit / 10-ch	2.37	2.19	1.96
◆ 841-MC908QC16VDSE	MC908QC16VDSE	TSSOP 20	≤512k	8k/16k	ESCI, SPI	2, 4	---	---	---	-40 - 105°C	≤10-bit / 10-ch	2.31	2.14	1.91
◆ 841-MC908QT2ACDWE	MC908QT2ACDWE	SOEIAJ 8	128	1536	-----	2	8.2	5	6	-40 - 85°C	10-bit / 6-ch	1.26	1.17	1.04
◆ 841-MC908QT2ACFQE	MC908QT2ACFQE	QFN-D 8	128	1536	-----	2	8.2	5	6	-40 - 85°C	10-bit / 6-ch	1.41	1.30	1.16
◆ 841-MC908QT2ACPE	MC908QT2ACPE	PDIP 8	128	1536	-----	2	8.2	5	6	-40 - 85°C	10-bit / 6-ch	1.26	1.17	1.04
◆ 841-MC908QT4ACDWE	MC908QT4ACDWE	SOEIAJ 8	128	4096	-----	2	8.2	5	6	-40 - 85°C	10-bit / 6-ch	1.49	1.37	1.23
◆ 841-MC908QT4ACPE	MC908QT4ACPE	PDIP 8	128	4096	-----	2	8.2	5	6	-40 - 85°C	10-bit / 6-ch	1.49	1.37	1.23
◆ 841-MC908QY8CDTE	MC908QY8CDTE	TSSOP 16	256	8000	SCI	1	8	5.5	14	-40 - 85°C	10-bit / 4-ch	2.10	1.94	1.73
◆ 841-MC908QY8CDWE	MC908QY8CDWE	SOIC 16W	256	8000	-----	2	8	5.5	16	-40 - 85°C	10-bit / 4-ch	1.97	1.82	1.62
◆ 841-MC908QY8CPE	MC908QY8CPE	PDIP 16	---	---	-----	2	8	---	---	-----	-----	1.97	1.82	1.62
◆ 841-MC908QY8VDWE	MC908QY8VDWE	SOIC 16W	256	8000	-----	2	8	5.5	16	-40 - 105°C	10-bit / 4-ch	2.07	1.91	1.71