

FREESCALE 8-Bit and 16-Bit Microcontrollers



RoHS Compliant This product is RoHS compliant.

MCU / MPU / DSP

Freescale

HC08 CORE MICROCONTROLLERS (CONT.)

HC08MR Family - Includes High Resolution PWM for Three Phase Motor Control **Surface Mount Device**

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	MC908MR8CPE	-	PDIP 28	256	8K	SCI	2	8	---	---	10-bit / 7-ch				
841	MC908MR16CBE	-	PSDIP 56	768	16K	SCI, SPI	4.2	8.2	5	36	10-bit / 10-ch				
841	MC908MR16CFUE	-	LQFP 64	768	16K	IRSCI, SPI, I2C	4.2	8	5.5	44	10-bit / 10-ch				
841	MC908MR32CBE	-	PSDIP 56	768	32K	SCI, SPI	6	8.2	5	36	10-bit / 10-ch				
841	MC908MR32CFUE	-	QFP 64	768	32K	SCI, SPI	6	8.2	5	44	10-bit / 10-ch				

General Purpose, Low Cost, Small Package MCUs

Surface Mount Device

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	MC908QB8CDTE	-	TSSOP 16	256	8K	SCI, SPI	1	8	5.5	14	10-bit / 10-ch				
841	MC908QB8CDWE	-	SOIC 16W	256	8K	SCI, SPI	1	8	5.5	14	10-bit / 10-ch				
841	MC908QC8CDRE	DEMO908QC16	TSSOP 28	384	8K	SCI, SPI	2.4	8	5.5	24	10-bit / 10-ch				
841	MC908QC8CDSE	DEMO908QC16	TSSOP 20	384	8K	SCI, SPI	2.4	8	5.5	24	10-bit / 10-ch				
841	MC908QC8CDTE	DEMO908QC16	TSSOP 16	384	8K	SCI, SPI	2.4	8	5.5	24	10-bit / 10-ch				
841	MC908QC8CDXE	DEMO908QC16	SOIC 16W	384	8K	SCI, SPI	2.4	8	5.5	24	10-bit / 10-ch				
841	MC908QC8CDZE	DEMO908QC16	SOIC 28W	384	8K	SCI, SPI	2.4	8	5.5	24	10-bit / 10-ch				
841	MC908QC8MDRE	DEMO908QC16	TSSOP 28	384	8K	SPI, SCI	2.4	8	5.5	26	10-bit / 10-ch				
841	MC908QC8MDSE	DEMO908QC16	TSSOP 20	384	8K	SCI, SPI	2.4	8	5.5	18	10-bit / 10-ch				
841	MC908QC16CDRE	DEMO908QC16	TSSOP 28	512	16K	SCI, SPI	2.4	8	5.5	26	10-bit / 10-ch				
841	MC908QC16CDSE	DEMO908QC16	TSSOP 20	512	16K	SCI, SPI	2.4	8	5.5	18	10-bit / 10-ch				
841	MC908QC16CDTE	DEMO908QC16	TSSOP 16	512	16K	SCI, SPI	2.4	8	5.5	14	10-bit / 10-ch				
841	MC908QC16CDXE	DEMO908QC16	SOIC 16W	512	16K	SCI, SPI	2.4	8	5.5	14	10-bit / 10-ch				
841	MC908QC16CDZE	DEMO908QC16	SOIC 28	≤512k	8K/16K	ESCI, SPI	2.4	---	---	---	≤10-bit / 10-ch				
841	MC908QC16MDRE	DEMO908QC16	TSSOP 28	≤512k	8K/16K	ESCI, SPI	2.4	---	---	---	≤10-bit / 10-ch				
841	MC908QC16MDSE	DEMO908QC16	TSSOP 20	≤512k	8K/16K	ESCI, SPI	2.4	---	---	---	≤10-bit / 10-ch				
841	MC908QC16VDRE	DEMO908QC16	TSSOP 28	≤512k	8K/16K	ESCI, SPI	2.4	---	---	---	≤10-bit / 10-ch				
841	MC908QC16VDSE	DEMO908QC16	TSSOP 20	≤512k	8K/16K	ESCI, SPI	2.4	---	---	---	≤10-bit / 10-ch				

HCS12 AND HCS12X FAMILY-16-BIT MICROCONTROLLERS

Development Kit Part No. M68DKIT912C32
Development Kit Part No. DEMO9S12NE64

Development Kit Part No. DEMO9S12XD7512
Development Kit Part No. M68DKIT912C32

For quantities 100 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Internal RAM (Byte)	Internal FLASH (Byte)	EEPROM (Byte)	ADC	Serial Interface Type	Bus Freq. (MHz) (Max)	I/O Pins	Timer Channels	Supply Voltage (V)(Typ)	Price Each		
												1	25	50
S12A Family - General Purpose with I2C														
841-MC9S12A32CFUE	MC9S12A32CFUE	QFP 80	4096	32000	1024	10-bit/8-ch	I2C, SCI, SPI	25	91	8	5			
841-MC9S12A64CFUE	MC9S12A64CFUE	QFP 80	4096	65536	1024	10-bit/8-ch	I2C, SCI, SPI	25	91	8	5			
841-MC9S12A64CPVE	MC9S12A64CPVE	LQFP 112	4096	65536	1024	10-bit/8-ch	I2C, SCI, SPI	25	59	8	5			
841-MC9S12A128CFUE	MC9S12A128CFUE	QFP 80	8000	128000	2000	10-Bit/8-ch	SCI, SPI, I2C	25	59	8	5			
841-MC9S12A128CPVE	MC9S12A128CPVE	LQFP 112	8000	128000	2000	10-Bit/8-ch	SCI, SPI, I2C	25	59	8	5			
841-MC9S12A256CFUE	MC9S12A256CFUE	QFP 80	12288	262144	4096	10-bit/8-ch	I2C, SCI, SPI	25	91	8	5			
841-MC9S12A256CPVE	MC9S12A256CPVE	LQFP 112	12000	256000	4000	10-Bit/8-ch	SCI, SPI, I2C	25	91	8	5			
841-MC9S12A256MPVE	MC9S12A256MPVE	LQFP 112	12288	262144	4096	10-bit/8-ch	I2C, SCI, SPI	25	91	8	5			
841-MC9S12A512CPVE	MC9S12A512CPVE	LQFP 112	4096	512000	1024	10-bit/8-ch	I2C, SCI, SPI	25	59	8	5			
S12B Family - Automotive Industrial with Intermediate Cost CAN														
841-MC9S12B64MFUE	MC9S12B64MFUE	QFP 80	2048	65536	1024	10-bit/8-ch	CAN, I2C, SCI, SPI	25	59	8	5			
841-MC9S12B64MPVE	MC9S12B64MPVE	LQFP 112	2048	65536	1024	10-bit/8-ch	CAN, I2C, SCI, SPI	25	59	8	5			
841-MC9S12B128MFUE	MC9S12B128MFUE	QFP 80	4096	131072	1024	10-bit/8-ch	CAN, I2C, SCI, SPI	25	59	8	5.5			
841-MC9S12B128MPVE	MC9S12B128MPVE	LQFP 112	4096	131072	1024	10-bit/16-ch	CAN, I2C, SCI, SPI	25	91	8	5.5			
†† S12C Family - Low Pin Count, Low Cost CAN														
841-MC9S12C32CFUE16	MC9S12C32CFUE16	QFP 80	2000	32000	---	10-Bit/8-ch	SCI, SPI, CAN	25	60	8	5			
841-MC9S12C32MFUE16	MC9S12C32MFUE16	LQFP 48	2048	32000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C32CFUE25	MC9S12C32CFUE25	LQFP 48	2000	32000	---	10-Bit/8-ch	SCI, SPI, CAN	25	31	8	5			
841-MC9S12C32MFUE25	MC9S12C32MFUE25	LQFP 48	2048	32000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C32MFUE25	MC9S12C32MFUE25	QFP 80	2048	32000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C32MPBE25	MC9S12C32MPBE25	LQFP 52	2048	32000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C64CFUE	MC9S12C64CFUE	LQFP 48	2000	64000	---	10-Bit/8-ch	SCI, SPI, CAN	25	60	8	5			
841-MC9S12C64MFUE	MC9S12C64MFUE	LQFP 48	4000	64000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C64MPVE	MC9S12C64MPVE	QFP 80	4000	64000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C64MPBE	MC9S12C64MPBE	LQFP 52	2000	64000	---	10-Bit/8-ch	SCI, SPI, CAN	25	35	8	5			
841-MC9S12C96CFUE	MC9S12C96CFUE	QFP 80	4000	96000	---	10-Bit/8-ch	SCI, SPI, CAN	25	60	8	5			
841-MC9S12C96MFUE	MC9S12C96MFUE	LQFP 48	4000	96000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C96MPVE	MC9S12C96MPVE	QFP 80	4000	96000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C128CFUE	MC9S12C128CFUE	LQFP 48	4000	128000	---	10-Bit/8-ch	SCI, SPI, CAN	25	31	8	5			
841-MC9S12C128MFUE	MC9S12C128MFUE	QFP 80	4000	128000	---	10-Bit/8-ch	SCI, SPI, CAN	25	61	8	5			
841-MC9S12C128MPVE	MC9S12C128MPVE	LQFP 48	4000	128000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.5			
841-MC9S12C128MPBE	MC9S12C128MPBE	QFP 80	4000	128000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.6			
841-MC9S12C128MPBE	MC9S12C128MPBE	LQFP 52	4000	128000	---	10-bit/8-ch	CAN, SCI, SPI	25	60	8	3.3, 5.7			
S12D Family - Automotive / Industrial with CAN														
841-MC9S12D32MFUE	MC9S12D32MFUE	QFP 80	4096	32000	1024	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	25	91	8	5			
841-MC9S12D64MFUE	MC9S12D64MFUE	QFP 80	4096	65536	1024	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	25	91	8	5			
841-MC9S12D64MPVE	MC9S12D64MPVE	LQFP 112	4096	65536	1024	10-bit/8-ch	CAN 2.0A/B, IIC, SCI, SPI	25	59	8	5			
841-MC9S12D64VDFUE	MC9S12D64VDFUE	QFP 80	4000	64000	1000	10-Bit/8-ch	SCI, SPI, I2C, CAN	25	91	8	5			
841-MC9S12DG128CFUE	MC9S12DG128CFUE	QFP-80	8000	128000	2000	10-Bit/8-ch	SCI, SPI, I2C, CAN	25	59	8	5			
841-MC9S12DG128CPVE	MC9S12DG128CPVE	LQFP-112	8000	128000	2000	10-Bit/8-ch	SCI, SPI, I2C, CAN	25	91	8	5			
841-MC9S12DG128VPVE	MC9S12DG128VPVE	LQFP 112	8000	128000	2000	10-Bit/8-ch	SCI, SPI, I2C, CAN	25	91	8	5			
841-MC9S12DG256BCP	MC9S12DG256BCPVE	LQFP-112	12000	256000	4000	10-Bit/8-ch	SCI, SPI, I2C, CAN	25	91	8	5			
841-MC9S12DG256CFUE	MC9S12DG256CFUE	QFP-80	12000	256000	4000	10-Bit/8-ch	SCI, SPI, I2C, CAN	25	91	8	5			
841-MC9S12DG256MFUE	MC9S12DG256MFUE	QFP 80	12288	262144	4096	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	25	91	8	5			
841-MC9S12DG256MPVE	MC9S12DG256MPVE	LQFP 112	12288	262144	4096	10-bit/8-ch	CAN 2.0A/B, I2C, SCI, SPI	25	91	8	5			
841-MC9S12DJ64MFUE	MC9S12DJ64MFUE	QFP 80	4096	65536	1024	10-bit/8-ch	SCI, SPI, I2C, J1850, CAN 2.0A/B	25	91	8	5			
841-MC9S12DJ256CFUE	MC9S12DJ256CFUE	QFP 80	12000	256000	4000	10-Bit/8-ch	SCI, SPI, I2C, CAN, J1850	25	59	8	5			
841-MC9S12DJ256CPVE	MC9S12DJ256CPVE	LQFP 112	12000	256000	4000	10-Bit/8-ch	SCI, SPI, I2C, CAN, J1850	25	91	8	5			
841-MC9S12DJ256MPVE	MC9S12DJ256MPVE	QFP 80	12288	262										