

# FREESCALE MCUs



## 16/32-BIT MICROCONTROLLERS (CONT.)

For quantities 250 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package	Internal RAM (Byte)	FLASH (Byte)	EEPROM (Byte)	Serial Interface Type	Timer Chan.	Bus Freq. (MHz) (Max)	Supply Voltage (V)(Typ)	I/O Pins	Price Each		
											1	25	100
841-MC9S12C128MPBE	MC9S12C128MPBE	LQFP 52	4000	---	128000	CAN, SCI, SPI	8	25	3.3, 5.5	60	12.38	11.45	10.21
841-MC9S12C32MFAE16	MC9S12C32MFAE16	LQFP 48	2048	---	32000	CAN, SCI, SPI	8	16, 25	3.3, 5.5	60	7.85	7.26	6.47
841-MC9S12C32MFAE25	MC9S12C32MFAE25	LQFP 48	2048	---	32000	CAN, SCI, SPI	8	16, 25	3.3, 5.5	60	8.34	7.71	6.88
841-MC9S12C32MFUE25	MC9S12C32MFUE25	QFP 80	2048	---	32000	CAN, SCI, SPI	8	16, 25	3.3, 5.5	60	8.75	8.09	7.21
841-MC9S12C32MPBE25	MC9S12C32MPBE25	LQFP 52	2048	---	32000	CAN, SCI, SPI	8	16, 25	3.3, 5.5	60	8.25	7.63	6.81
841-MC9S12C64MFAE	MC9S12C64MFAE	LQFP 48	4000	---	64000	CAN, SCI, SPI	8	25	3.3, 5.5	60	9.90	9.16	8.17
841-MC9S12C64MFUE	MC9S12C64MFUE	QFP 80	4000	---	64000	CAN, SCI, SPI	8	25	3.3, 5.5	60	10.40	9.62	8.58
841-MC9S12C96MFAE	MC9S12C96MFAE	LQFP 48	4000	---	96000	CAN, SCI, SPI	8	25	3.3, 5.5	60	12.14	11.22	10.01
841-MC9S12C96MFUE	MC9S12C96MFUE	QFP 80	4000	---	96000	CAN, SCI, SPI	8	25	3.3, 5.5	60	12.05	11.14	9.94
841-MC9S12C96MPBE	MC9S12C96MPBE	LQFP 52	4000	---	96000	CAN, SCI, SPI	8	25	3.3, 5.5	60	11.55	10.68	9.53
841-MC9S12GC128MFUE	MC9S12GC128MFUE	QFP 80	4000	---	128000	SCI, SPI	8	25	3.3, 5.5	60	11.40	10.55	9.41
841-MC9S12GC128MPBE	MC9S12GC128MPBE	LQFP 52	4000	---	128000	SCI, SPI	8	25	3.3, 5.5	60	10.49	9.70	8.65
841-MC9S12GC16MFAE	MC9S12GC16MFAE	LQFP 48	2000	---	32000	SCI, SPI	8	16, 25	3.3, 5.5	60	5.96	5.51	4.91
841-MC9S12GC32MFAE	MC9S12GC32MFAE	LQFP 48	2000	---	32000	SCI, SPI	8	16, 25	3.3, 5.5	60	7.23	6.69	5.96
841-MC9S12GC64MFAE	MC9S12GC64MFAE	LQFP 48	4000	---	64000	SCI, SPI	8	25	3.3, 5.5	60	8.58	7.94	7.08
841-MC9S12GC64MFUE	MC9S12GC64MFUE	QFP 80	4000	---	64000	SCI, SPI	8	25	3.3, 5.5	60	8.84	8.17	7.29
841-MC9S12GC64MPBE	MC9S12GC64MPBE	LQFP 52	4000	---	64000	SCI, SPI	8	25	3.3, 5.5	60	8.58	7.94	7.08
841-MC9S12GC96MFAE	MC9S12GC96MFAE	LQFP 48	4000	---	96000	SCI, SPI	8	25	3.3, 5.5	60	8.63	7.98	7.12
841-MC9S12GC96MFUE	MC9S12GC96MFUE	QFP 80	4000	---	96000	SCI, SPI	8	25	3.3, 5.5	60	9.38	8.67	7.73
841-MC9S12GC96MPBE	MC9S12GC96MPBE	LQFP 52	4000	---	96000	SCI, SPI	8	25	3.3, 5.5	60	9.05	8.37	7.46
841-MC9S12A256CFUE	MC9S12A256CFUE	QFP 80	8192, 12288	2048, 4096	131072, 262144	IIC, SCI, SPI	8	25	5	59, 91	16.74	15.48	13.81
841-MC9S12A256MPVE	MC9S12A256MPVE	LQFP 112	8192, 12288	2048, 4096	131072, 262144	IIC, SCI, SPI	8	25	5	59, 91	18.92	17.50	15.60
841-MC9S12A32CFUE	MC9S12A32CFUE	QFP 80	4096	1024	32000	IIC, SCI, SPI	8	25	5	91	7.50	6.94	6.19
841-MC9S12A512CPVE	MC9S12A512CPVE	LQFP 112	4096	1024	512000	IIC, SCI, SPI	8	25	5	59	20.37	18.84	16.81
841-MC9S12A64CFUE	MC9S12A64CFUE	QFP 80	4096	1024	65536	IIC, SCI, SPI	8	25	5	59, 91	10.20	9.44	8.42
841-MC9S12A64CPVE	MC9S12A64CPVE	LQFP 112	4096	1024	65536	IIC, SCI, SPI	8	25	5	59, 91	10.35	9.57	8.54
841-MC9S12B256MPVE	MC9S12B256MPVE	LQFP 112	4096	2048, 2096	262144	CAN I2C, SCI, SPI	8	25	5.5	59, 91	17.31	16.01	14.28
841-MC9S12D32MFUE	MC9S12D32MFUE	QFP 80	4096	1024	32000	CAN 2.0A/B, IIC, SCI, SPI	8	25	5	91	9.08	8.39	7.49
841-MC9S12D64MFUE	MC9S12D64MFUE	QFP 80	4096	1024	65536	CAN 2.0A/B, IIC, SCI, SPI	8	25	5	59, 91	12.56	11.61	10.36
841-MC9S12D64MPVE	MC9S12D64MPVE	LQFP 112	4096	1024	65536	CAN 2.0A/B, IIC, SCI, SPI	8	25	5	59, 91	13.05	12.07	10.77
841-MC9S12DG128MFUE	MC9S12DG128MFUE	QFP 80	8192	2048	131072	CAN 2.0A/B, IIC, SCI, SPI, SCP	7, 8	25	5	59, 91	15.65	14.47	12.91
841-MC9S12DG128MPVE	MC9S12DG128MPVE	LQFP 112	8192	2048	131072	CAN 2.0A/B, IIC, SCI, SPI, SCP	7, 8	25	5	59, 91	16.14	14.93	13.32
841-MC9S12DG256MFUE	MC9S12DG256MFUE	QFP 80	12288	4096	262144	CAN 2.0A/B, IIC, SCI, SPI	8	25	5	91	19.43	17.97	16.03
841-MC9S12DG256MPVE	MC9S12DG256MPVE	LQFP 112	12288	4096	262144	CAN 2.0A/B, IIC, SCI, SPI	8	25	5	91	19.92	18.43	16.43
841-MC9S12DJ128MFUE	MC9S12DJ128MFUE	QFP 80	8192	2048	131072	CAN 2.0A/B, IIC, SCI, SPI, I2C, J1850	7, 8	25	5	59, 91	15.95	14.75	13.15
841-MC9S12DJ128MPVE	MC9S12DJ128MPVE	LQFP 112	8192	2048	131072	CAN 2.0A/B, IIC, SCI, SPI, I2C, J1850	7, 8	25	5	59, 91	16.44	15.21	13.56
841-MC9S12DJ256MFUE	MC9S12DJ256MFUE	QFP 80	12288	4096	262144	CAN 2.0A/B, IIC, SCI, SPI, J1850	8	25	5	59, 91	21.32	19.72	17.58
841-MC9S12DJ256MPVE	MC9S12DJ256MPVE	LQFP 112	12288	4096	262144	CAN 2.0A/B, IIC, SCI, SPI, J1850	8	25	5	59, 91	21.81	20.17	17.99
841-MC9S12DJ64MFUE	MC9S12DJ64MFUE	QFP 80	4096	1024	65536	CAN 2.0A/B, IIC, SCI, SPI, J1850	8	25	5	59, 91	13.05	12.07	10.77
841-MC9S12DJ64MPVE	MC9S12DJ64MPVE	LQFP 112	4096	1024	65536	CAN 2.0A/B, IIC, SCI, SPI, J1850	8	25	5	59, 91	13.55	12.53	11.17
841-MC9S12DP512MPVE	MC9S12DP512MPVE	LQFP 112	12288	4096	512000	CAN 2.0A/B, IIC, SCI, SPI, J1850	8	25	5	91	23.22	21.48	19.16
841-MC9S12DT128MPVE	MC9S12DT128MPVE	LQFP 112	8192	2048	131072	CAN 2.0A/B, IIC, SCI, SPI	8	25	5	91	15.93	14.74	13.14
841-MC9S12DT256MPVE	MC9S12DT256MPVE	QFP 80	12288	4096	262144	CAN 2.0A/B, IIC, SCI, SPI	8	25	5	91	20.75	19.19	17.11
841-MC9S12DT256MPVE	MC9S12DT256MPVE	LQFP 112	12288	4096	262144	CAN 2.0A/B, IIC, SCI, SPI	8	25	5	91	21.24	19.65	17.52
841-MC9S12UF32PBE	MC9S12UF32PBE	LQFP 64	3584, 5120	---	32768	SCI, USB 2.0	8	30	5, 5.5	75, 77	6.30	5.83	5.20
841-MC9S12UF32PUE	MC9S12UF32PUE	LQFP 100	3584, 5120	---	32768	SCI, USB 2.0	8	30	5, 5.5	75, 77	6.75	6.24	5.57
841-MC9S12E128MFUE	MC9S12E128MFUE	QFP 80	8192	---	131072	I2C, SCI, SPI	12	25	5	60	10.95	10.13	9.03
841-MC9S12E256MFUE	MC9S12E256MFUE	QFP 80	16384	---	262144	I2C	12	25	5	60, 90	13.02	12.04	10.74
841-MC9S12E256MPVE	MC9S12E256MPVE	LQFP 112	16384	---	262144	I2C	12	25	5	60, 90	13.52	12.50	11.15
841-MC9S12E32CFUE	MC9S12E32CFUE	QFP 80	2000, 4096	---	32000, 32796	I2C, SCI, SPI	12	25	5, 5.5	60	7.20	6.66	5.94
841-MC9S12E64MFUE	MC9S12E64MFUE	QFP 80	4096	---	65536	I2C, IIC, SCI, SPI	12	25	5, 5.5	59, 60, 91	9.77	9.03	8.06
841-MC9S12KT256MPVE	MC9S12KT256MPVE	LQFP 112	12288	4096	262144	CAN, SCI, SPI	8	25	5.5	91	23.85	22.06	19.68
841-MC9S12NE64CPVE	MC9S12NE64CPVE	LQFP 112	8000	---	64000	Ethernet, IIC, SCI, SPI	---	25	3.3, 5	70	12.33	11.41	10.17
841-MC9S12NE64VTUE	MC9S12NE64VTUE	TQFP 80	8000	---	64000	Ethernet, IIC, SCI, SPI	---	25	3.3, 5	70	11.88	10.99	9.80
841-DSP56F801FA80E	DSP56F801FA80E	LQFP 48	4000	---	16000	SCI, SPI	8	---	---	11	8.93	8.26	7.36
841-DSP56F802TA60E	DSP56F802TA60E	LQFP 32	4000	---	16000	SCI	8	---	---	8	5.39	4.98	4.44
841-DSP56F802TA80E	DSP56F802TA80E	LQFP 32	4000	---	16000	SCI	8	---	---	8	7.05	6.52	5.82
841-DSP56F805FV80E	DSP56F805FV80E	LQFP 144	8000	---	64000	CAN, SCI, SPI	---	---	---	32	15.17	14.03	12.51
841-DSP56F807PY80E	DSP56F807PY80E	LQFP 160	4000	---	16000	CAN, SCI, SPI	---	---	---	32	18.03	16.68	14.87
841-DSP56F807VF80E	DSP56F807VF80E	MAPBGA 160	4000	---	16000	CAN, SCI, SPI	---	---	---	32	20.61	19.06	17.00
841-MC56F8013VFAE	MC56F8013VFAE	LQFP 32	4000	---	16000	SCI, SPI, I2C, LIN	---	---	---	26	4.73	4.37	3.90
841-MC56F8014VFAE	MC56F8014VFAE	LQFP 32	4000	---	16000	SCI, SPI, I2C, LIN	---	---	---	26	4.73	4.37	3.90
841-MC56F8122VFAE	MC56F8122VFAE	LQFP 48	8000	---	32000	SCI, SPI	---	---	---	21	6.57	6.08	5.42
841-MC56F8123VFBE	MC56F8123VFBE	LQFP 64	8000	---	32000	SCI, SPI	---	---	---	27	6.80	6.29	5.61
841-MC56F8145VFGE	MC56F8145VFGE	LQFP 128	6000	---	128000	SCI, SPI	---	---	---	49	10.64	9.84	8.77
841-MC56F8146VFVE	MC56F8146VFVE	LQFP 144	8000	---	128000	SCI, SPI	---	---	---	62	10.73	9.92	8.85
841-MC56F8147VPVE	MC56F8147VPVE	LQFP 160	8000	---	128000	SCI, SPI	---	---	---	76	11.39	10.53	9.39
841-MC56F8155VFGE	MC56F8155VFGE	LQFP 128	16000	---	256000	SCI, SPI	---	---	---	49	14.12	13.06	11.64
841-MC56F8156VFVE	MC56F8156VFVE	LQFP 144	16000	---	256000	SCI, SPI	---	---	---	62	14.22	13.15	11.73
841-MC56F8157VPVE	MC56F8157VPVE	LQFP 160	16000	---	256000	SCI, SPI	---	---	---	76	15.30	14.15	12.62
841-MC56F8165VFGE	MC56F8165VFGE	LQFP 128	32000	---	512000	SCI, SPI	---	---	---	49	20.36	18.83	16.79
841-MC56F8166VFVE	MC56F8166VFVE	LQFP 144	32000	---	512000	SCI, SPI	---	---	---	62	20.49	18.95	16.90
841-MC56F8167VPVE	MC56F8167VPVE	LQFP 160	32000	---	512000	SCI, SPI	---						