

# 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-MC56F8366MFVE	MC56F8366MFVE	LQFP 144	32000	---	512000	FlexCAN, SCI, SPI	---	---	---	62	29.30	27.10	24.17
841-MC56F8367MPYE	MC56F8367MPYE	LQFP 160	32000	---	512000	FlexCAN, SCI, SPI	---	---	---	76	30.98	28.65	25.55
841-DSP56852VFE	DSP56852VFE	TMAP 81	8000	---	---	ESSI, SCI, SPI	---	---	---	11	7.01	6.48	5.78
841-DSP56853FGE	DSP56853FGE	LQFP 128	8000	---	---	ESSI, SCI, SPI	---	---	---	41	9.81	9.07	8.09
841-DSP56854FGE	DSP56854FGE	LQFP 128	32000	---	---	ESSI, SCI, SPI	---	---	---	41	10.64	9.84	8.77
841-DSP56855BUE	DSP56855BUE	LQFP 100	48000	---	---	ESSI, SCI	---	---	---	18	11.45	10.59	9.44
841-DSP56857BUE	DSP56857BUE	LQFP 100	48000	---	---	ESSI, SCI, SPI	---	---	---	47	12.32	11.39	10.16
841-DSP56858FVE	DSP56858FVE	LQFP 144	48000	---	---	ESSI, SCI, SPI	---	---	---	47	12.98	12.00	10.70
841-MC9S12XA256VAA	MC9S12XA256VAA	QFP 80	16384	4096	262144	I2C, IIC, SCI, SPI	8	40	5.5	59, 91, 119	15.75	14.57	12.99
841-MC9S12XA256VAG	MC9S12XA256VAG	LQFP 144	16384	4096	262144	I2C, IIC, SCI, SPI	8	40	5.5	59, 91, 119	16.23	15.01	13.39
841-MC9S12XA256VAL	MC9S12XA256VAL	LQFP 112	16384	4096	262144	I2C, IIC, SCI, SPI	8	40	5.5	59, 91, 119	15.98	14.71	13.18
841-MC9S12XA512VAA	MC9S12XA512VAA	QFP 80	32768	4096	524288	I2C, SCI, SPI	8	40	5.5	59, 91, 119	18.90	17.48	15.59
841-MC9S12XA512VAG	MC9S12XA512VAG	LQFP 144	32768	4096	524288	I2C, SCI, SPI	8	40	5.5	59, 91, 119	19.38	17.93	15.99
841-MC9S12XA512VAL	MC9S12XA512VAL	LQFP 112	32768	4096	524288	I2C, SCI, SPI	8	40	5.5	59, 91, 119	19.07	17.64	15.73
841-MC9S12XD256MAA	MC9S12XD256MAA	QFP 80	14336, 16384, 20480	4096	262144, 524288	CAN, I2C, IIC, SCI, SPI	8	40	5.5	59, 91, 119	19.14	17.70	15.79
841-MC9S12XD256MAG	MC9S12XD256MAG	LQFP 144	14336, 16384, 20480	4096	262144, 524288	CAN, I2C, IIC, SCI, SPI	8	40	5.5	59, 91, 119	19.64	18.16	16.20
841-MC9S12XD256MAL	MC9S12XD256MAL	LQFP 112	14336, 16384, 20480	4096	262144, 524288	CAN, I2C, IIC, SCI, SPI	8	40	5.5	59, 91, 119	19.31	17.86	15.93
841-MC9S12XDP512MAG	MC9S12XDP512MAG	LQFP 144	32768	4096	512000	CAN, I2C, SCI, SPI	8	40	3.15, 5.5	91, 119	24.26	22.44	20.01
841-MC9S12XDP512MAL	MC9S12XDP512MAL	LQFP 112	32768	4096	512000	CAN, I2C, SCI, SPI	8	40	3.15, 5.5	91, 119	23.93	22.13	19.74
841-MC9S12XDT256MAA	MC9S12XDT256MAA	QFP 80	16384	4096	262144	CAN, I2C, SCI, SPI	8	40	---	59, 91, 119	19.80	18.32	16.34
841-MC9S12XDT256MAG	MC9S12XDT256MAG	LQFP 144	16384	4096	262144	CAN, I2C, SCI, SPI	8	40	---	59, 91, 119	20.30	18.77	16.74
841-MC9S12XDT256MAL	MC9S12XDT256MAL	LQFP 112	16384	4096	262144	CAN, I2C, SCI, SPI	8	40	---	59, 91, 119	19.97	18.47	16.47
841-MC9S12XDT512MAA	MC9S12XDT512MAA	QFP 80	20480	4096	524288	CAN, IIC, SCI, SPI	8	40	---	59, 91, 119	23.10	21.37	19.06
841-MC9S12XDT512MAG	MC9S12XDT512MAG	LQFP 144	20480	4096	524288	CAN, IIC, SCI, SPI	8	40	---	59, 91, 119	23.60	21.83	19.47
841-MC9S12XDT512MAL	MC9S12XDT512MAL	LQFP 112	20480	4096	524288	CAN, IIC, SCI, SPI	8	40	---	59, 91, 119	23.27	21.52	19.19
841-MPC555LFCZP40	MPC555LFCZP40	PBGA 272	26000	---	448000	QSPI, SCI, TouCAN	50	40	---	---	68.97	63.80	56.90
841-MPC555LFMVR40	MPC555LFMVR40	PBGA 272	26000	---	448000	QSPI, SCI, TouCAN	50	40	---	---	75.87	70.18	62.59
841-MPC555LFMZP40	MPC555LFMZP40	PBGA 272	26000	---	448000	QSPI, SCI, TouCAN	50	40	---	---	75.87	70.18	62.59
841-MPC535CZP40	MPC535CZP40	PBGA 388	36000	---	1024k	QSPI, SCI, TouCAN	22	---	---	---	54.15	50.09	44.67
841-MPC565CZP40	MPC565CZP40	PBGA 388	36000	---	1024k	J1850, QSPI, SCI, TouCAN	70	40, 56	---	---	81.15	75.06	66.95
841-MPC565CZP56	MPC565CZP56	PBGA 388	36000	---	1024k	J1850, QSPI, SCI, TouCAN	70	40, 56	---	---	85.22	78.82	70.30
841-MPC565MVR56	MPC565MVR56	PBGA 388	36000	---	1024k	J1850, QSPI, SCI, TouCAN	70	40, 56	---	---	93.33	86.33	77.00
841-MPC565MZR56	MPC565MZR56	PBGA 388	36000	---	1024k	J1850, QSPI, SCI, TouCAN	70	40, 56	---	---	93.33	86.33	77.00
841-MPC566CZP56	MPC566CZP56	PBGA 388	36000	---	1024k	J1850, QSPI, SCI, TouCAN	70	40, 56	---	---	93.74	86.70	77.33
841-MPC566MVR56	MPC566MVR56	PBGA 388	36000	---	1024k	J1850, QSPI, SCI, TouCAN	70	40, 56	---	---	98.21	90.84	81.02
841-MPC566MZR56	MPC566MZR56	PBGA 388	36000	---	1024k	J1850, QSPI, SCI, TouCAN	70	40, 56	---	---	98.21	90.84	81.02
841-MPC533CZP40	MPC533CZP40	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	22	40	---	---	34.59	32.00	28.54
841-MPC534CZP40	MPC534CZP40	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	22	40	---	---	39.77	36.78	32.81
841-MPC563CZP40	MPC563CZP40	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	56.79	52.53	46.85
841-MPC563MVR56	MPC563MVR56	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	62.48	57.79	51.54
841-MPC563MZR56	MPC563MZR56	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	62.48	57.79	51.54
841-MPC563MZP66	MPC563MZP66	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	79.02	73.09	65.19
841-MPC564CZP40	MPC564CZP40	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	62.48	57.79	51.54
841-MPC564CZP66	MPC564CZP66	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	79.04	73.11	65.20
841-MPC564MVR56	MPC564MVR56	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	68.72	63.56	56.69
841-MPC564MZR56	MPC564MZR56	PBGA 388	32000	---	512000	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	68.72	63.56	56.69
841-MPC561CZP40	MPC561CZP40	PBGA 388	32000	---	---	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	34.59	32.00	28.54
841-MPC561MVR56	MPC561MVR56	PBGA 388	32000	---	---	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	38.06	35.20	31.40
841-MPC561MZR56	MPC561MZR56	PBGA 388	32000	---	---	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	38.06	35.20	31.40
841-MPC562MZP56	MPC562MZP56	PBGA 388	32000	---	---	QSPI, SCI, TouCAN	54	40, 56, 66	---	---	43.76	40.47	36.10
841-MCF5206EAB40	MCF5206EAB40	QFP 160	8000	---	---	UART	---	---	---	---	13.44	12.43	11.09
841-MCF5206EAB54	MCF5206EAB54	QFP 160	8000	---	---	UART	---	---	---	---	16.65	15.40	13.74
841-MCF5206ECAB40	MCF5206ECAB40	QFP 160	8000	---	---	UART	---	---	---	---	16.65	15.40	13.74
841-MCF5272CVF66	MCF5272CVF66	MAPBGA 196	---	---	---	10/100MbT Ethernet, QSPI, TDM, UART, USB	---	---	---	---	18.66	17.26	15.39
841-MCF5272CVM66	MCF5272CVM66	MAPBGA 196	---	---	---	10/100MbT Ethernet, QSPI, TDM, UART, USB	---	---	---	---	18.66	17.26	15.39
841-MCF5214CVF66	MCF5214CVF66	MAPBGA 256	64000	---	256000	FlexCAN, I2C, QSPI, UART	---	---	---	---	22.32	20.65	18.41
841-MCF5214CVM66	MCF5214CVM66	MAPBGA 256	64000	---	256000	FlexCAN, I2C, QSPI, UART	---	---	---	---	18.33	16.96	15.12
841-MCF5216CVF66	MCF5216CVF66	MAPBGA 256	64000	---	512000	FlexCAN, I2C, QSPI, UART	---	---	---	---	24.98	23.10	20.60
841-MCF5216CVM66	MCF5216CVM66	MAPBGA 256	64000	---	512000	FlexCAN, I2C, QSPI, UART	---	---	---	---	19.92	18.43	16.43
841-MCF5280CVF66	MCF5280CVF66	MAPBGA 256	64000	---	---	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	24.59	22.74	20.28
841-MCF5280CVF80	MCF5280CVF80	MAPBGA 256	64000	---	---	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	29.51	27.29	24.34
841-MCF5280CVM66	MCF5280CVM66	MAPBGA 256	64000	---	---	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	23.85	22.06	19.68
841-MCF5280CVM80	MCF5280CVM80	MAPBGA 256	64000	---	---	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	28.62	26.47	23.61
841-MCF5281CVF66	MCF5281CVF66	MAPBGA 256	64000	---	256000	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	27.57	25.50	22.75
841-MCF5281CVF80	MCF5281CVF80	MAPBGA 256	64000	---	256000	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	33.09	30.61	27.30
841-MCF5281CVM66	MCF5281CVM66	MAPBGA 256	64000	---	256000	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	26.75	24.74	22.06
841-MCF5281CVM80	MCF5281CVM80	MAPBGA 256	64000	---	256000	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	32.09	29.68	26.47
841-MCF5282CVF66	MCF5282CVF66	MAPBGA 256	64000	---	512000	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	29.97	27.72	24.73
841-MCF5282CVF80	MCF5282CVF80	MAPBGA 256	64000	---	512000	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	35.97	33.27	29.68
841-MCF5282CVM66	MCF5282CVM66	MAPBGA 256	64000	---	512000	MAC (FEC) 10/100 Ethernet, FlexCAN, I2C, QSPI, UART	---	---	---	---	29.07	26.89	23.98



MCU / MPU  
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NEW FROM FRE