

FREESCALE Microprocessors

RoHS Compliant This product is RoHS compliant.



MCU / MPU / DSP

Freescale

i.MX APPLICATIONS PROCESSORS

i.MX233 Embedded Multimedia Applications Processors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package Type	Core Type	Core Freq. (MHz)	Cache Size (bytes)	Internal RAM (kbytes)	Temp. Range (C)	Price Each			
								1	25	50	100
841-MCIMX233CAG4B	MCIMX233CAG4B	LQFP 128	ARM 9	454	16	32	-40 to 85	10.40	9.20	8.57	5.79
841-MCIMX233CJM4B	MCIMX233CJM4B	MABGA 169	ARM 9	454	16	32	-40 to 85	12.13	11.42	10.57	7.14
841-MCIMX233DJM4B	MCIMX233DJM4B	MABGA 169	ARM 9	454	16	32	-10 to 70	10.76	8.53	8.05	6.33

i.MX28 Industrial and Consumer Processors



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package Type	Core Type	Core Freq. (MHz)	Cache Size (bytes)	Internal RAM (kbytes)	Temp. Range (C)	Price Each			
								1	25	50	100
841-MCIMX281AVM4B	MCIMX281AVM4B	MPABGA 289	ARM 9	454	32	128	-40 to +85	15.80	14.40	13.58	12.35
841-MCIMX283CVM4B	MCIMX283CVM4B	MPABGA 289	ARM 9	454	32	128	-40 to +85	12.92	10.37	10.07	9.78
841-MCIMX283DVM4B	MCIMX283DVM4B	MPABGA 289	ARM 9	454	32	128	-20 to +70	15.24	12.95	12.68	11.97
841-MCIMX285AVM4B	MCIMX285AVM4B	MPABGA 289	ARM 9	454	32	128	-40 to +85	19.19	17.57	17.22	16.87
841-MCIMX286CVM4B	MCIMX286CVM4B	MPABGA 289	ARM 9	454	32	128	-20 to +70	21.34	20.08	13.78	13.39
841-MCIMX287CVM4B	MCIMX287CVM4B	MPABGA 289	ARM 9	454	32	128	-40 to +85	18.77	17.25	15.50	15.40

i.MX35 Consumer and Industrial Application Processors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package Type	Core Type	Core Freq. (MHz)	Cache Size (bytes)	Internal RAM (kbytes)	Temp. Range (C)	Price Each			
								1	25	50	100
841-MCIMX357CJQ5C	MCIMX357CJQ5C	MABGA 400	ARM 11	133	16	128	-40 to 85	20.19	19.00	15.98	11.88
841-MCIMX356AJQ5C	MCIMX356AJQ5C	MABGA 400	ARM 11	532	16	128	-40 to 85	24.48	23.03	21.32	17.77

i.MX51 Consumer and Industrial Multimedia Application Processors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package Type	Core Type	Core Freq. (MHz)	Cache (bytes)	L2 Cache (kbytes)	Internal RAM (kbytes)	Temp. Range (C)	Price Each			
									1	25	50	100
841-MCIMX512CJM6C	MCIMX512CJM6C	MABGAPGE 529	Cortex-A8	600	32	256	128	-40 to 85	42.28	39.74	32.54	24.84
841-MCIMX512DJM8C	MCIMX512DJM8C	MABGAPGE 529	Cortex-A8	800	32	256	128	-20 to 70	38.13	37.20	35.80	22.43
841-MCIMX513CJM6C	MCIMX513CJM6C	MABGAPGE 529	Cortex-A8	800	32	256	128	-40 to 85	40.61	39.25	37.90	36.70
841-MCIMX513DJM8C	MCIMX513DJM8C	MABGAPGE 529	Cortex-A8	800	32	256	128	-20 to 70	39.06	36.76	34.68	22.98
841-MCIMX515CJM6C	MCIMX515CJM6C	MABGAPGE 529	Cortex-A8	800	32	256	128	-40 to 85	48.85	45.98	44.60	28.73
841-MCIMX515DJM8C	MCIMX515DJM8C	MABGAPGE 529	Cortex-A8	800	32	256	128	-20 to 70	44.42	41.80	38.70	26.12

POWERQUICC COMMUNICATIONS PROCESSORS

PowerQUICC I

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package Type	Core Type	Number of Cores	Core Operating Freq. (MHz)	Cache Size (bytes)	Bus Interface	I/O Operating Voltage Max. (V)	CPU Perform. (MIPS)	Price Each		
										1	25	50
841-MPC852TVR100A	MPC852TVR100A	PBGA 256	MPC8xx	1	100	8	PCMCIA, PowerPC ISA	3.3	132	26.17	24.05	22.11
841-MPC852TVR50A	MPC852TVR50A	PBGA 256	MPC8xx	1	50	8	PCMCIA, PowerPC ISA	3.3	-	19.26	17.81	15.42
841-MPC852TVR66A	MPC852TVR66A	PBGA 256	MPC8xx	1	66	8	PCMCIA, PowerPC ISA	3.3	87	20.14	18.51	17.55
841-MPC870CVR133	MPC870CVR133	PBGA 256	MPC8xx	1	133	8	PCMCIA	5	-	24.86	22.84	21.50
841-MPC885CVR133	MPC885CVR133	PBGA-FW 357	MPC8xx	1	133	8	PCMCIA	5	-	50.30	46.65	44.89
841-MPC885VR133	MPC885VR133	PBGA-FW 357	MPC8xx	1	133	8	PCMCIA	5	-	46.57	43.20	40.55

PowerQUICC II

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package Type	Core Type	Number of Cores	Core Operating Freq. (MHz)	Cache Size (bytes)	Bus Interface	I/O Operating Voltage Max. (V)	CPU Perform. (MIPS)	Price Each		
										1	25	50
841-MPC8247CVR1TIEA	MPC8247CVR1TIEA	FPBGA 516	603e	1	400	32	60x, Local, PCI	3.3	760.4	49.68	46.57	43.50
841-MPC8247VRMIBA	MPC8247VRMIBA	FPBGA 516	603e	1	266	32	60x, Local, PCI	3.3	505.4	35.91	33.31	33.31
841-MPC8270CVRMIBA	MPC8270CVRMIBA	FPBGA 516	603e	1	266	32	60x, Local, PCI	3.3	505.4	85.41	81.28	78.78
841-MPC8270CZQMIBA	MPC8270CZQMIBA	FPBGA 516	603e	1	266	32	60x, Local, PCI	3.3	505.4	80.38	71.42	66.14
841-MPC8270VRMIBA	MPC8270VRMIBA	FPBGA 516	603e	1	266	32	60x, Local, PCI	3.3	505.4	73.05	64.91	60.11
841-MPC8270VQLDA	MPC8270VQLDA	FTBGA 480	603e	1	333	32	60x, Local, PCI	3.3	632.7	77.26	73.40	71.20

PowerQUICC II Pro



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package Type	Core Type	Number of Cores	Core Operating Freq. (MHz)	Cache Size (bytes)	Bus Interface	I/O Operating Voltage Max. (V)	CPU Perform. (MIPS)	Price Each		
										1	25	50
841-MPC8306CVMABDCA	MPC8306CVMABDCA	MAP-369	e300	1	133	16	Local	3.3	-	18.36	15.61	14.38
841-MPC8306CVMACDCA	MPC8306CVMACDCA	MAP-369	e300	1	200	16	Local	3.3	-	19.47	16.55	15.26
841-MPC8306CVMABDCA	MPC8306CVMABDCA	MAP-369	e300	1	133	16	Local	3.3	-	18.55	15.77	14.54
841-MPC8306CVMACDCA	MPC8306CVMACDCA	MAP-369	e300	1	200	16	Local	3.3	-	19.66	16.71	15.41
841-MPC8306CVMABDCA	MPC8306CVMABDCA	MAP-369	e300	1	133	16	Local	3.3	-	16.25	13.82	12.74
841-MPC8306CVMACDCA	MPC8306CVMACDCA	MAP-369	e300	1	200	16	Local	3.3	-	17.85	15.17	13.99
841-MPC8306CVMABDCA	MPC8306CVMABDCA	MAP-369	e300	1	266	16	Local	3.3	-	19.06	16.21	14.94
841-MPC8306CVMABDCA	MPC8306CVMABDCA	MAP-369	e300	1	133	16	Local	3.3	-	16.63	14.15	13.04
841-MPC8306CVMACDCA	MPC8306CVMACDCA	MAP-369	e300	1	200	16	Local	3.3	-	17.70	15.04	13.86
841-MPC8306CVMABDCA	MPC8306CVMABDCA	MAP-369	e300	1	266	16	Local	3.3	-	19.06	16.21	14.94
841-MPC8308VMAGD	MPC8308VMAGD	MABGA 473	e300	1	400	16	Local, PCI	3.6	-	24.01	22.06	20.76
841-MPC8308VMADD	MPC8308VMADD	MABGA 473	e300	1	400	16	Local, PCI	3.6	-	19.49	17.91	16.86
841-MPC8308CVMADD	MPC8308CVMADD	MABGA 473	e300	1	400	16	Local, PCI	3.6	-	21.46	19.72	17.42
841-MPC8313CVRADDB	MPC8313CVRADDB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	-	27.34	25.12	23.96
841-MPC8313ECVRAFFB	MPC8313ECVRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	-	29.79	25.55	25.50
841-MPC8313EVRAFFB	MPC8313EVRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	-	26.33	22.21	22.18
841-MPC8313EVRAFFB	MPC8313EVRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	-	43.33	41.26	39.27
841-MPC8313VRAFFB	MPC8313VRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	-	27.60	22.21	19.18
841-MPC8313VRAFFB	MPC8313VRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	-	33.05	29.37	27.20
841-MPC8313VRAFFB	MPC8313VRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	-	38.95	36.12	34.56
841-MPC8321CVRADDC	MPC8321CVRADDC	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	-	24.06	22.12	21.50
841-MPC8321CZQAFDC	MPC8321CZQAFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	-	34.67	29.00	28.96
841-MPC8321EVRAFFDC	MPC8321EVRAFFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	-	27.38	25.31	23.27
841-MPC8321VRAFFDC	MPC8321VRAFFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	-	27.74	26.11	22.00

PowerQUICC III

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Package Type	Core Type	Number of Cores	Operating Frequency Max. (MHz)	Cache Size (Kbyte)	L2 Cache (Kbyte)	Bus Interface	Ethernet	Price Each		
										1	25	50
841-MPC8544VTARJ	MPC8544VTARJ	FCPBGA 783	e500	1	667	32	256	Local, PCI	10/100/1000 BaseT	201.63	168.77	168.72
841-MPC8544VTALF	MPC8544VTALF	FCPBGA 783	e500	1	667	32	256	Local, PCI	10/100/1000 BaseT	115.55	111.92	108.32
841-MPC8544CVTAQG	MPC8544CVTAQG	FCPBGA 783	e500	1	1000	32	256	Local, PCI	10/100/1000 BaseT	156.93	156.12	155.38
841-MPC8544VTAQG	MPC8544VTAQG	FCPBGA 783	e500	1	1000	32	256	Local, PCI	10/100/1000 BaseT	170.91	165.87	160.86

