

# FREESCALE Microprocessors

RoHS Compliant This product is RoHS compliant.



## i.MX APPLICATIONS PROCESSORS

### i.MX233 Embedded Multimedia Applications Processors

For quantities of 100 and up, 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-MCIMX233CJM4B	MCIMX233CJM4B	MAPBGA 169	ARM 9	454	16	32	-40 to 85	14.68	12.85	12.11	11.38
841-MCIMX233DJM4B	MCIMX233DJM4B	MAPBGA 169	ARM 9	454	16	32	-10 to 70	9.76	8.53	8.05	7.56

### i.MX 51 Consumer and Industrial Multimedia Application Processors

For quantities of 100 and up, 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	40.74	37.25	34.92	33.76
841-MCIMX512DJM8C	MCIMX512DJM8C	MABGAPGE 529	Cortex-A8	800	32	256	128	-20 to 70	34.74	33.58	32.42	31.96
841-MCIMX513CJM6C	MCIMX513CJM6C	MABGAPGE 529	Cortex-A8	800	32	256	128	-40 to 85	35.74	34.55	33.36	32.30
841-MCIMX513DJM8C	MCIMX513DJM8C	MABGAPGE 529	Cortex-A8	800	32	256	128	-20 to 70	45.05	41.18	38.61	37.32
841-MCIMX515CJM6C	MCIMX515CJM6C	MAPBGA527	Cortex-A8	800	32	256	128	-40 to 85	41.44	37.89	35.52	34.34
841-MCIMX515DJM8C	MCIMX515DJM8C	MABGAPGE 529	Cortex-A8	800	32	256	128	-20 to 70	45.57	41.66	39.06	37.76

### i.MX Application Processor Development Tools

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-MCIMX23LCD	MCIMX23LCD	i.MX23 LCD Daughter Card	219.90
841-MCIMX23LEVKJ	MCIMX23LEVKJ	i.MX23 Evaluation Kit	452.20
841-MCIMX51EVKJ	MCIMX51EVKJ	i.MX51 Evaluation Kit	742.69
841-MCIMX51EXP	MCIMX51EXP	i.MX51 Expansion Kit	212.50
841-MCIMX51LCD	MCIMX51LCD	i.MX51 VVGA LCD Daughter Card	265.63

## POWERQUICC COMMUNICATIONS PROCESSORS

### PowerQUICC I

For quantities of 100 and up, 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	18.68	16.98	16.58
841-MPC852TVR50A	MPC852TVR50A	PBGA 256	MPC8xx	1	50	8	PCMCIA, PowerPC ISA	3.3	-	13.83	12.68	12.25
841-MPC852TVR66A	MPC852TVR66A	PBGA 256	MPC8xx	1	66	8	PCMCIA, PowerPC ISA	3.3	87	15.65	14.35	14.04
841-MPC855TZQ66D4	MPC855TZQ66D4	PBGA 357	MPC8xx	1	66	4	-	3.3	-	43.86	33.48	32.98
841-MPC870CVR133	MPC870CVR133	PBGA 256	MPC8xx	1	133	8	PCMCIA	5	-	19.34	17.74	17.36
841-MPC870VR133	MPC870VR133	PBGA 256	MPC8xx	1	133	8	PCMCIA	5	-	17.30	14.99	14.63
841-MPC875CVR133	MPC875CVR133	PBGA 256	MPC8xx	1	133	8	PCMCIA	5	-	24.68	19.36	18.79
841-MPC875VR133	MPC875VR133	PBGA 256	MPC8xx	1	133	8	PCMCIA	5	-	24.91	22.85	22.36
841-MPC880VR133	MPC880VR133	PBGA-FW 357	MPC8xx	1	133	8	PCMCIA	5	-	29.25	26.69	26.33
841-MPC880VR66	MPC880VR66	PBGA-FW 357	MPC8xx	1	66	8	PCMCIA	5	-	28.94	26.54	25.97
841-MPC885CVR133	MPC885CVR133	PBGA-FW 357	MPC8xx	1	133	8	PCMCIA	5	-	41.98	37.92	35.07
841-MPC885VR133	MPC885VR133	PBGA-FW 357	MPC8xx	1	133	8	PCMCIA	5	-	35.73	32.48	31.95

### PowerQUICC II

For quantities of 100 and up, 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	40.99	37.27	36.21
841-MPC8247VRMIBA	MPC8247VRMIBA	FPBGA 516	603e	1	266	32	60x, Local, PCI	3.3	505.4	27.44	24.99	23.43
841-MPC8248VRTIEA	MPC8248VRTIEA	FPBGA 516	603e	1	400	32	60x, Local, PCI	3.3	760.4	39.87	38.56	37.31
841-MPC8270CVRMIBA	MPC8270CVRMIBA	FPBGA 516	603e	1	266	32	60x, Local, PCI	3.3	505.4	49.62	48.07	47.84
841-MPC8270CVVUPEA	MPC8270CVVUPEA	FTBGA 480	603e	1	450	32	60x, Local, PCI	3.3	855	81.60	79.05	78.67
841-MPC8270CZQMIBA	MPC8270CZQMIBA	FPBGA 516	603e	1	266	32	60x, Local, PCI	3.3	505.4	54.48	49.62	49.03
841-MPC8270VRMIBA	MPC8270VRMIBA	FPBGA 516	603e	1	266	32	60x, Local, PCI	3.3	505.4	45.09	43.68	42.43
841-MPC8270VQLDA	MPC8270VQLDA	FTBGA 480	603e	1	333	32	60x, Local, PCI	3.3	632.7	78.09	66.86	65.83

### PowerQUICC II Pro

For quantities of 100 and up, 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-MPC8313CVRADDB	MPC8313CVRADDB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	No	21.21	19.28	17.98
841-MPC8313CZQAFB	MPC8313CZQAFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	No	26.33	22.21	22.18
841-MPC8313ECVRAFFB	MPC8313ECVRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	Yes	30.29	25.55	25.50
841-MPC8313EVRAFFB	MPC8313EVRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	Yes	26.33	22.21	22.18
841-MPC8313EVRAAGDB	MPC8313EVRAAGDB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	Yes	32.51	30.96	29.47
841-MPC8313VRADDB	MPC8313VRADDB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	No	20.96	17.81	15.16
841-MPC8313VRAFFB	MPC8313VRAFFB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	No	22.90	19.31	19.28
841-MPC8313VRAGDB	MPC8313VRAGDB	PBGAPGE 516	e300	1	400	16	Local, PCI	3.6	No	24.40	22.18	20.27
841-MPC8314CVRAGDA	MPC8314CVRAGDA	PBGA 620	e300	1	400	16	Local, PCI, PCI-Express	3.6	No	33.12	30.11	29.36
841-MPC8314EVRAAGDA	MPC8314EVRAAGDA	PBGA 620	e300	1	400	16	Local, PCI, PCI-Express	3.6	Yes	33.12	30.11	29.36
841-MPC8321CVRADDC	MPC8321CVRADDC	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	No	21.72	19.75	19.11
841-MPC8321CVRAFDC	MPC8321CVRAFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	No	26.01	21.76	21.73
841-MPC8321CZQADDC	MPC8321CZQADDC	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	No	26.32	25.06	23.87
841-MPC8321CZQAFDC	MPC8321CZQAFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	No	26.01	21.76	21.73
841-MPC8321ECVRAFD	MPC8321ECVRAFD	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	Yes	26.28	23.89	22.91
841-MPC8321ECZQAFDC	MPC8321ECZQAFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	Yes	31.83	30.32	28.87
841-MPC8321EVRAADD	MPC8321EVRAADD	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	Yes	20.79	18.90	18.12
841-MPC8321EVRAFD	MPC8321EVRAFD	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	Yes	22.85	20.77	20.07
841-MPC8321EZQAFDC	MPC8321EZQAFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	Yes	27.68	26.36	25.11
841-MPC8321VRAFD	MPC8321VRAFD	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	No	20.79	18.90	18.42
841-MPC8321ZQADDC	MPC8321ZQADDC	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	No	20.55	17.20	17.17
841-MPC8321ZQAFDC	MPC8321ZQAFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	No	25.16	23.96	22.82
841-MPC8323ECVRAFD	MPC8323ECVRAFD	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	Yes	36.90	30.89	30.86
841-MPC8323EVRAADD	MPC8323EVRAADD	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	Yes	25.65	23.32	22.96
841-MPC8323EZQADDC	MPC8323EZQADDC	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	Yes	27.90	23.35	23.32
841-MPC8323EZQAFDC	MPC8323EZQAFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	Yes	32.10	26.86	26.83
841-MPC8323VRADDC	MPC8323VRADDC	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	No	25.37	21.23	21.20
841-MPC8323VRAFD	MPC8323VRAFD	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	No	29.17	24.41	24.38
841-MPC8323ZQADDC	MPC8323ZQADDC	PBGA-PGE 516	e300	1	266	32	Local, PCI	1.8, 3.3	No	25.37	21.23	21.20
841-MPC8323ZQAFDC	MPC8323ZQAFDC	PBGA-PGE 516	e300	1	333	32	Local, PCI	1.8, 3.3	No	32.49	30.94	29.26

### PowerQUICC III

For quantities of 100 and up, 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	151.22	126.58	126.54
841-MPC8544CVTALF	MPC8544CVTALF	FCPBGA 783	e500	1	667	32	256	Local, PCI	10/100/1000 BaseT	95.33	92.34	89.37
841-MPC8544VTALF	MPC8544VTALF	FCPBGA 783	e500	1	667	32	256	Local, PCI	10/100/1000 BaseT	86.67	83.95	81.25
841-MPC8544CVTAQG	MPC8544CVTAQG	FCPBGA 783	e500	1	1000	32	256	Local, PCI	10/100/1000 BaseT	102.27	101.73	101.25
841-MPC8544VTAQG	MPC8544VTAQG	FCPBGA 783	e500	1	1000	32	256	Local, PCI	10/100/1000 BaseT	128.19	124.41	120.65