

# NXP SEMICONDUCTOR MCU/MPU



This product is RoHS compliant.



MCU / MPU / DSP

NXP Semiconductor

## LPC2000 SERIES ARM 7



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	RAM (bytes)	Timers	PWMs	Serial Interface	ADCs	I/O Pins	Price Each		
									1	25	100
<b>Flash 8KB</b>											
771-LPC2101FBD48-S	LPC2101FBD48-S	LQFP-48	2K	4x32/2x16	---	2xUART; 2xI <sup>2</sup> C; 2xSPI	8-Ch 10-bit	32	3.58	2.89	2.40
<b>Flash 16KB</b>											
771-LPC2102FBD48-S	LPC2102FBD48-S	LQFP-48	4K	4x32/2x16	---	2xUART; 2xI <sup>2</sup> C; 2xSPI	8-Ch 10-bit	32	5.18	4.16	3.79
<b>Flash 32KB</b>											
771-LPC2103FBD48-S	LPC2103FBD48-S	LQFP-48	8K	4x32/2x16	---	2xUART; 2xI <sup>2</sup> C; 2xSPI	8-Ch 10-bit	32	5.35	4.32	3.59
771-LPC2103FHN48H6	LPC2103FHN48H6/51	HVQFN-48	8K	4x32/2x16	---	2xUART; 2xI <sup>2</sup> C; 2xSPI	8-Ch 10-bit	32	9.00	6.97	5.85
771-LPC2131FBD64/01-S	LPC2131FBD64/01-S	LQFP-64	8K	4x32	6-Ch	2xUART; 2xI <sup>2</sup> C; 2xSPI	8-Ch 10-bit	47	7.24	5.80	4.74
771-LPC2141FBD64-S	LPC2141FBD64-S	LQFP-64	8K	4x32	6-Ch	USB 2.0; 2xUART; 2xI <sup>2</sup> C; 2xSPI	6-Ch 10-bit	45	8.03	6.43	5.26
<b>Flash 64KB</b>											
771-LPC2132FBD64/01-S	LPC2132FBD64/01-S	LQFP-64	16K	4x32	6-Ch	2xUART; 2xI <sup>2</sup> C; 2xSPI	8-Ch 10-bit	47	8.57	6.86	5.61
771-LPC2132FHN64/01-S	LPC2132FHN64/01-S	HVQFN-64	16K	4x32	6-Ch	2xUART; 2xI <sup>2</sup> C; 2xSPI	8-Ch 10-bit	47	10.13	8.30	7.49
<b>Flash 128KB</b>											
771-LPC2104FBD48/01-S	LPC2104FBD48/01-S	LQFP-48	16K	4x32	6-Ch	128K FL/16K RAM/2 UART/I <sup>2</sup> C/SPI	---	32	11.58	9.49	8.56
771-LPC2114FBD64/01-S	LPC2114FBD64/01-S	LQFP-64	16K	4x32	6-Ch	2xUART; I <sup>2</sup> C; 2xSPI	4-Ch 10-bit	46	12.28	10.06	9.08
771-LPC2119FBD64/01-S	LPC2119FBD64/01-S	LQFP-64	16K	4x32	6-Ch	2xUART; I <sup>2</sup> C; 2xSPI; 2xCAN	4-Ch 10-bit	46	12.28	10.32	9.48
771-LPC2134FBD64/01-S	LPC2134FBD64/01-S	LQFP-64	16K	4x32	6-Ch	2xUART; 2xI <sup>2</sup> C; 2xSPI	16-Ch 10-bit	47	11.75	9.63	8.69
771-LPC2144FBD64-S	LPC2144FBD64-S	LQFP-64	16K	4x32	6-Ch	USB 2.0; 2xUART; 2xI <sup>2</sup> C; 2xSPI	14-Ch 10-bit	45	8.29	7.43	6.82
771-LPC2364FBD100-S	LPC2364FBD100-S	LQFP-100	34K	6x32	6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; 3xSPI	6-Ch 10-bit	70	9.02	7.23	5.91
771-LPC2364FET100-T	LPC2364FET100.518	TFBGA-100	34K	6x32	6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; 3xSPI	6-Ch 10-bit	70	7.98	7.78	6.98
771-LPC2106FBD48/01-S	LPC2106FBD48/01-S	LQFP-48	64K	4x32	6-Ch	128K FL/64K RAM/2 UART/I <sup>2</sup> C/SPI	---	32	11.48	10.29	9.45
<b>Flash 256KB</b>											
771-LPC2124FBD64/01-S	LPC2124FBD64/01-S	LQFP-64	16K	4x32	6-Ch	2xUART; I <sup>2</sup> C; 2xSPI	4-Ch 10-bit	46	12.28	10.32	9.48
771-LPC2129FBD64/01-S	LPC2129FBD64/01-S	LQFP-64	16K	4x32	6-Ch	2xUART; I <sup>2</sup> C; 2xSPI; 2xCAN	4-Ch 10-bit	46	10.52	9.43	8.66
771-LPC2194HBD64/01-S	LPC2194HBD64/01-S	LQFP-64	16K	4x32	6-Ch	2xUART; I <sup>2</sup> C; 2xSPI; 4xCAN	4-Ch 10-bit	46	16.10	13.54	12.44
771-LPC2214FBD144/01-S	LPC2214FBD144/01-S	LQFP-144	16K	4x32	6-Ch	2xUART; I <sup>2</sup> C; 2xSPI	8-Ch 10-bit	112	11.37	10.19	9.36
771-LPC2136FBD64/01-S	LPC2136FBD64/01-S	LQFP-64	32K	4x32	6-Ch	2xUART; 2xI <sup>2</sup> C; 2xSPI	16-Ch 10-bit	47	9.24	8.28	7.60
771-LPC2146FBD64-S	LPC2146FBD64-S	LQFP-64	32K	4x32	6-Ch	USB 2.0; 2xUART; 2xI <sup>2</sup> C; 2xSPI	14-Ch 10-bit	45	9.89	8.87	8.14
771-LPC2366FBD100-S	LPC2366FBD100-S	LQFP-100	58K	6x32	6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; 3xSPI	6-Ch 10-bit	70	10.74	8.60	7.03
<b>Flash 512KB</b>											
771-LPC2138FBD64/01-S	LPC2138FBD64/01-S	LQFP-64	32K	4x32	6-Ch	2xUART; 2xI <sup>2</sup> C; 2xSPI	16-Ch 10-bit	47	10.29	9.22	8.47
771-LPC2148FBD64-S	LPC2148FBD64-S	LQFP-64	32K	4x32	6-Ch	USB 2.0; 2xUART; 2xI <sup>2</sup> C; 2xSPI	14-Ch 10-bit	45	11.02	9.88	9.08
771-LPC2364HBD100S51	LPC2364HBD100.551	LQFP-100	34K	6x32	6-Ch	USB 2.0; ENET; 2xCAN; 4xUART; 3xI <sup>2</sup> C; SPI	6-Ch 10-bit	70	10.20	9.35	8.50
771-LPC2368FBD100-S	LPC2368FBD100-S	LQFP-100	58K	6x32	6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; 3xSPI	6-Ch 10-bit	70	9.02	8.09	7.43
771-LPC2368FET100S18	LPC2368FET100.518	TFBGA-100	58K	6x32	6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; 3xSPI	6-Ch 10-bit	70	9.82	8.64	7.86
771-LPC2378FBD144-S	LPC2378FBD144-S	LQFP-144	58K	6x32	6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; 3xSPI	8-Ch 10-bit	104	10.34	9.27	8.51
771-LPC2387FBD100-S	LPC2387FBD100.551	LQFP-100	64K	4x32	6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; SPI	6-Ch 10-bit	70	10.02	8.99	8.25
771-LPC2388FBD144-S	LPC2388FBD144.551	LQFP-144	64K	4x32	6-Ch	USB 2.0; ENET; 2xCAN; 3xI <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; SPI	8-Ch 10-bit	104	11.47	10.28	9.44
771-LPC2468FBD208-S	LPC2468FBD208-S	LQFP-208	98K	6x32	2x6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; 3xSPI	8-Ch 10-bit	160	13.94	12.50	11.48
771-LPC2468FET208-S	LPC2468FET208-S	TFBGA-208	98K	6x32	2x6-Ch	USB 2.0; ENET; 2xCAN; I <sup>2</sup> S; 4xUART; 3xI <sup>2</sup> C; 3xSPI	8-Ch 10-bit	160	13.94	12.50	11.48
<b>LCD Controller</b>											
771-LPC2470FBD208-S	LPC2470FBD208-S	LQFP-208	98K	4x32	2x6-Ch	LCD CONT/ETHNET/USB HOST/OTG	8-Ch 10-bit	160	12.03	10.11	9.29
771-LPC2478FBD208-S	LPC2478FBD208-S	LQFP-208	98K	4x32	2x6-Ch	LCD CONT/ETHNET/USB/512K FL	8-Ch 10-bit	160	14.68	13.16	12.09
771-LPC2478FET208-S	LPC2478FET208-S	TFBGA-208	98K	4x32	2x6-Ch	LCD CONT/ETHNET/USB/512K FL	8-Ch 10-bit	160	13.16	12.11	11.90
<b>RAM Only</b>											
771-LPC2420FET208S51	LPC2420FET208.551	TFBGA-208	82K	4x32	2x6-Ch	2xUSB Host, 2xUSB OTG, 4xUART; 3xI <sup>2</sup> C; SPI	8-Ch 10-bit	160	9.56	8.71	7.86

## LH7 SERIES ARM 7 (SYSTEM-ON-CHIP), RAM ONLY

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	RAM (bytes)	Timers	PWMs	Serial Interface	ADCs	I/O Pins	Price Each		
									1	25	100
771-79525N0Q100A1557	LH79525N0Q100A1.55	LQFP-176	16K	3x16	---	USB Host, 3xUART, I <sup>2</sup> C, SPI	10-Ch 10-bit	86	9.46	8.52	7.55

## LPC 3000 ARM 9, RAM ONLY

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	RAM (bytes)	Timers	PWMs	Serial Interface	ADCs	I/O Pins	Price Each		
									1	25	100
771-LPC3220FET29601,5	LPC3220FET296/01,5	TFBGA-296	128K	6x32	11	USB 2.0, 7xUART, 2xI <sup>2</sup> C, 2xSSP, 2xSPI	3-Ch 10-bit	87	10.00	8.20	7.40
771-LPC3230FET29601,5	LPC3230FET296/01,5	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI <sup>2</sup> C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.25	9.22	8.32
771-LPC3240FET29601,5	LPC3240FET296/01,5	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI <sup>2</sup> C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.25	9.22	8.32
771-LPC3250FET29601,5	LPC3250FET296/01,5	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI <sup>2</sup> C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.00	9.25	8.50

## LPC 3100 ARM 9, RAM ONLY

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	RAM (bytes)	Timers	PWMs	Serial Interface	ADCs	I/O Pins	Price Each		
									1	25	100
771-LPC3141FET18055	LPC3141FET180.551	TFBGA-180	192K	4x32	1	USB, USBHost, OTG, UART, IrDA, 2xI <sup>2</sup> C, 2xI <sup>2</sup> S, SPI	4-Ch 10-bit	16	17.96	13.91	8.30
771-LPC3152FET20855	LPC3152FET208.551	TFBGA-208	192K	4x32	1	USB, USBHost, OTG, UART, IrDA, 2xI <sup>2</sup> C, 2xI <sup>2</sup> S, SPI	3-Ch 10-bit	157	21.96	17.01	9.33