

# NXP SEMICONDUCTOR MCU / MPU

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MCU / MPU / DSP

NXP Semiconductor

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## 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	4.12	3.30	3.01
<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	6.16	4.95	4.51
771-LPC2103FHN48H6	LPC2103FHN48H6/6.51	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	8.00	6.56	5.92
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	8.88	7.27	6.56
<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	9.48	7.76	7.01
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/12C/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	11.11	9.34	8.58
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	9.98	8.17	7.38
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/12C/SPI	---	32	15.40	12.95	11.90
<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	14.10	11.85	10.89
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	15.25	12.82	11.78
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	12.39	10.41	9.57
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	13.27	11.15	10.25
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	11.88	9.73	8.78
<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	13.79	11.59	10.65
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	14.78	12.43	11.42
771-LPC2364HBD100.551	LPC2364HBD100.551	LQFP-100	34K	4x32	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	12.10	10.17	9.35
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	13.86	11.65	10.71
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	13.44	11.30	10.38
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	15.38	12.93	11.88
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	18.70	15.72	14.45
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	18.70	15.72	14.45
<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	19.69	16.55	15.21
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-LPC2420FET208551	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.

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
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## LPC 2900 ARM 9, RAM ONLY

For quantities greater than listed, call for quote.

771-LPC2930FBD208551	LPC2930FBD208.551	LQFP-208	56K	4x32	4x6-Ch	2xUSB, 2xUSBHost, 2xOTG, 2xCAN, 2xUART, 2xI <sup>2</sup> C	3x8-Ch 10-bit	152	11.22	9.43	8.67
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## LPC 3000 ARM 9, RAM ONLY

For quantities greater than listed, call for quote.

771-LPC3220FET296015	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-LPC3230FET296015	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-LPC3240FET296015	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-LPC3250FET296015	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.

771-LPC3141FET180551	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	11.67
771-LPC3152FET208551	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	14.27
771-LPC3154FET208551	LPC3154FET208.551	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	23.96	18.56	15.57

## 32-BIT ARM CORTEX

### Cortex M0



For quantities greater than listed, call for quote.

<b>Flash 8KB</b>											
771-LPC1111FHN331015	LPC1111FHN33/101.5	HVQFN-33	2K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	2.23	1.80	1.62
771-LPC1111FHN332015	LPC1111FHN33/201.5	HVQFN-33	4K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	2.38	1.92	1.73
771-LPC1111FHN332025	LPC1111FHN33/202.5	HVQFN-33	4K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	1.40	1.36	1.29
<b>Flash 16KB</b>											
771-LPC1112FHN331015	LPC1112FHN33/101.5	HVQFN-33	2K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	2.55	2.05	1.86
771-LPC1112FHN331025	LPC1112FHN33/102.5	HVQFN-33	2K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	2.50	2.43	2.31
771-LPC1112FHN332015	LPC1112FHN33/201.5	HVQFN-33	4K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	2.73	2.20	1.98
771-LPC1112FHN332025	LPC1112FHN33/202.5	HVQFN-33	4K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	1.60	1.56	1.48
771-LPC11C12FD48301	LPC11C12FBD48/301.1	LQFP-48	8K	2x32/2x16/WDT	13	CAN, UART, I <sup>2</sup> C, 2xSPI	8-Ch 10-bit	40	4.70	3.78	3.44
771-LPC11C22FBD48301	LPC11C22FBD48/301.1	LQFP-48	8K	2x32/2x16/WDT	-	CAN, UART, I <sup>2</sup> C, 2xSPI	8-Ch 10-bit	36	4.95	4.66	4.06
<b>Flash 24KB</b>											
771-LPC1113FHN332015	LPC1113FHN33/201.5	HVQFN-33	4K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	2.91	2.35	2.11
771-LPC1113FHN332025	LPC1113FHN33/202.5	HVQFN-33	4K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	1.70	1.51	1.45
771-LPC1113FBD48301.1	LPC1113FBD48/301.1	LQFP-48	8K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, 2xSPI	8-Ch 10-bit	42	3.08	2.47	2.25
771-LPC1113FBD48302.1	LPC1113FBD48/302.1	LQFP-48	8K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, 2xSPI	8-Ch 10-bit	42	1.83	1.78	1.69
771-LPC1113FHN333015	LPC1113FHN33/301.5	HVQFN-33	8K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	2.79	2.25	2.02
771-LPC1113FHN333025	LPC1113FHN33/302.5	HVQFN-33	8K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28	1.80	1.75	1.66
<b>Flash 32KB</b>											
771-LPC1114FHN332015	LPC1114FHN33/201.5	HVQFN-33	4K	2x32/2x16/WDT	13	UART, I <sup>2</sup> C, SPI	8-Ch 10-Bit	28			