

NXP SEMICONDUCTOR MCU / MPU



RoHS Compliant This product is RoHS compliant.

NXP LPC 2000 ARM 7

For quantities of 250 and up, 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
Flash 8KB											
771-LPC2101FBD48-S	LPC2101FBD48-S	LQFP-48	2K	4x32/2x16	---	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	32	2.45	2.16	1.96
Flash 16KB											
771-LPC2102FBD48-S	LPC2102FBD48-S	LQFP-48	4K	4x32/2x16	---	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	32	3.08	2.71	2.47
Flash 32KB											
771-LPC2103FHN48-S	LPC2103FHN48,551	HVQFN-48	8K	4x32/2x16	---	2xUART, 2xI ² C, 2xSPI	8-Ch 10-bit	32	3.96	3.85	3.08
771-LPC2103FBD48-S	LPC2103FBD48-S	LQFP-48	8K	4x32/2x16	---	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	32	4.70	3.76	3.08
771-LPC2131FBD64/01-S	LPC2131FBD64/01-S	LQFP-64	8K	4x32	6-ch	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	47	5.33	4.69	4.26
771-LPC2141FBD64-S	LPC2141FBD64-S	LQFP-64	8K	4x32	6-ch	USB 2.0; 2xUART; 2xI ² C; 2xSPI	6-ch 10-bit	45	6.60	5.48	4.79
Flash 64KB											
771-LPC2132FBD64/01-S	LPC2132FBD64/01-S	LQFP-64	16K	4x32	6-ch	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	47	5.42	5.25	5.11
Flash 128KB											
771-LPC2104FBD48/01-S	LPC2104FBD48/01-S	LQFP-48	16K	4x32	6-ch	128K FL/16K RAM/2 UART/I ² C/SPI	32	7.72	6.79	6.17	
771-LPC2105FBD48/01-S	LPC2105FBD48/01-S	LQFP-48	32K	4x32	6-ch	128K FL/32K RAM/2 UART/I ² C/SPI	32	8.95	7.88	7.14	
771-LPC2106FBD48/01-S	LPC2106FBD48/01-S	LQFP-48	64K	4x32	6-ch	128K FL/64K RAM/2 UART/I ² C/SPI	32	10.66	9.98	9.31	
771-LPC2106FHN48/01-S	LPC2106FHN48/01-S	HVQFN-48	64K	4x32	6-ch	128K FL/64K RAM/2 UART/I ² C/SPI	32	11.85	10.43	9.45	
771-LPC2106FHN48-S	LPC2106FHN48-S	HVQFN-48	64K	4x32	6-ch	2xUART; I ² C; SPI	---	32	11.85	10.66	9.45
771-LPC2114FBD64/01-S	LPC2114FBD64/01-S	LQFP-64	16K	4x32	6-ch	2xUART; I ² C; 2xSPI	4-ch 10-bit	46	8.18	7.20	6.55
771-LPC2119FBD64/01-S	LPC2119FBD64/01-S	LQFP-64	16K	4x32	6-ch	2xUART; I ² C; 2xSPI; 2xCAN	4-ch 10-bit	46	8.21	7.55	7.22
771-LPC2134FBD64/01-S	LPC2134FBD64/01-S	LQFP-64	16K	4x32	6-ch	2xUART; 2xI ² C; 2xSPI	16-ch 10-bit	47	8.75	7.52	6.34
771-LPC2144FBD64-S	LPC2144FBD64-S	LQFP-64	16K	4x32	6-ch	USB 2.0; 2xUART; 2xI ² C; 2xSPI	14-ch 10-bit	45	7.91	7.20	6.69
771-LPC2212FBD144/01-S	LPC2212FBD144/01-S	LQFP-144	16K	4x32	6-ch	2xUART; I ² C; 2xSPI	8-ch 10-bit	112	10.45	9.40	8.33
771-LPC2364FBD100-S	LPC2364FBD100-S	LQFP-100	34K	6x32	6-ch	USB 2.0; ENET; 2xCAN; I ² S; 4xUART; 3xI ² C; 3xSPI	6-ch 10-bit	70	6.65	5.85	5.12
Flash 256KB											
771-LPC2124FBD64/01-S	LPC2124FBD64/01-S	LQFP-64	16K	4x32	6-ch	2xUART; I ² C; 2xSPI	4-ch 10-bit	46	8.21	7.55	7.22
771-LPC2129FBD64/01-S	LPC2129FBD64/01-S	LQFP-64	16K	4x32	6-ch	2xUART; I ² C; 2xSPI; 2xCAN	4-ch 10-bit	46	10.68	9.40	8.52
771-LPC2194HBD64/01-S	LPC2194HBD64/01-S	LQFP-64	16K	4x32	6-ch	2xUART; I ² C; 2xSPI; 4xCAN	4-ch 10-bit	46	12.19	10.74	9.73
771-LPC2214FBD144/01-S	LPC2214FBD144/01-S	LQFP-144	16K	4x32	6-ch	2xUART; I ² C; 2xSPI	8-ch 10-bit	112	11.55	9.99	9.21
771-LPC2136FBD64/01-S	LPC2136FBD64/01-S	LQFP-64	32K	4x32	6-ch	2xUART; 2xI ² C; 2xSPI	16-ch 10-bit	47	9.38	8.26	7.48
771-LPC2146FBD64-S	LPC2146FBD64-S	LQFP-64	32K	4x32	6-ch	USB 2.0; 2xUART; 2xI ² C; 2xSPI	14-ch 10-bit	45	9.05	8.41	7.83
771-LPC2366FBD100-S	LPC2366FBD100-S	LQFP-100	58K	6x32	6-ch	USB 2.0; ENET; 2xCAN; I ² S; 4xUART; 3xI ² C; 3xSPI	6-ch 10-bit	70	7.92	7.22	6.33
Flash 512KB											
771-LPC2138FBD64/01-S	LPC2138FBD64/01-S	LQFP-64	32K	4x32	6-ch	2xUART; 2xI ² C; 2xSPI	16-ch 10-bit	47	10.45	9.40	8.33
771-LPC2138FHN64/01-S	LPC2138FHN64/01-S	HVQFN-64	32K	4x32	6-ch	2xUART; 2xI ² C; 2xSPI	16-ch 10-bit	47	10.68	9.19	7.99
771-LPC2148FBD64-S	LPC2148FBD64-S	LQFP-64	32K	4x32	6-ch	USB 2.0; 2xUART; 2xI ² C; 2xSPI	14-ch 10-bit	45	11.20	10.08	8.93
771-LPC2368FBD100-S	LPC2368FBD100-S	LQFP-100	58K	6x32	6-ch	USB 2.0; ENET; 2xCAN; I ² S; 4xUART; 3xI ² C; 3xSPI	6-ch 10-bit	70	8.70	7.83	7.30
771-LPC2378FBD144-S	LPC2378FBD144-S	LQFP-144	58K	6x32	6-ch	USB 2.0; ENET; 2xCAN; I ² S; 4xUART; 3xI ² C; 3xSPI	8-ch 10-bit	104	9.96	8.97	8.37
771-LPC2387FBD100-S	LPC2387FBD100,551	LQFP-100	64K	4x32	6-Ch	USB 2.0; ENET; 2xCAN, I ² S, 4xUART, 3xI ² C, SPI	6-Ch 10-bit	70	10.18	9.16	8.12
771-LPC2388FBD144-S	LPC2388FBD144,551	LQFP-144	64K	4x32	6-Ch	USB 2.0; ENET; 2xCAN, 3xI ² S, 4xUART, 3xI ² C, SPI	8-Ch 10-bit	104	10.66	9.98	9.26
771-LPC2468FBD208-S	LPC2468FBD208-S	LQFP-208	98K	6x32	2x6-ch	USB 2.0; ENET; 2xCAN; I ² S; 4xUART; 3xI ² C; 3xSPI	8-ch 10-bit	160	13.46	12.12	11.30
771-LPC2468FET208-S	LPC2468FET208-S	TFBGA-208	98K	6x32	2x6-ch	USB 2.0; ENET; 2xCAN; I ² S; 4xUART; 3xI ² C; 3xSPI	8-ch 10-bit	160	13.46	12.12	11.30
LCD Controller											
771-LPC2470FBD208-S	LPC2470FBD208-S	LQFP-208	98K	4x32	2X6 ch	LCD CONT/ETHNET/USB HOST/OTG	8-ch 10-bit	160	9.11	8.20	7.27
771-LPC2470FET208-S	LPC2470FET208-S	TFBGA-208	98K	4x32	2X6 ch	LCD CONT/ETHNET/USB HOST/OTG	8-ch 10-bit	160	9.11	8.20	7.27
771-LPC2478FBD208-S	LPC2478FBD208-S	LQFP-208	98K	4x32	2X6 ch	LCD CONT/ETHNET/USB/512K FL	8-ch 10-bit	160	14.90	13.13	11.88
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
RAM Only											
771-LPC2290FBD144/01-S	LPC2290FBD144/01-S	LQFP-144	16K	4x32	6-ch	2xUART; I ² C; 2xSPI; 2xCAN	8-ch 10-bit	112	7.60	6.08	5.17
771-LPC2210FBD144/01-S	LPC2210FBD144/01-S	LQFP-144	64K	4x32	6-ch	2xUART; I ² C; SPI	8-ch 10-bit	112	5.42	4.77	4.33

NXP LPC 3000 ARM 9, RAM ONLY



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771-LPC3180FEL320-S	LPC3180FEL320,551	LFBGA-320	64K	4x32	2	USB 2.0, 6xUART, 2xI ² C; 2xSPI	3-Ch 10-bit	55	12.68	11.16	9.44
771-LPC3220FET296/01-S	LPC3220FET296/01,5	TFBGA-296	128K	6x32	11	USB 2.0, 7xUART, 2xI ² C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.65	10.49	9.30
771-LPC3220FET296-S	LPC3220FET296,551	TFBGA-296	128K	6x32	11	USB 2.0, 7xUART, 2xI ² C, 2xSSP, 2xSPI	3-Ch 10-bit	87	9.83	8.84	7.84
771-LPC3230FET296/01-S	LPC3230FET296/01,5	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI ² C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.65	10.49	9.30
771-LPC3230FET296-S	LPC3230FET296,551	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI ² C, 2xSSP, 2xSPI	3-Ch 10-bit	87	10.50	9.45	8.37
771-LPC3240FET296/01-S	LPC3240FET296/01,5	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI ² C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.65	10.49	9.30
771-LPC3240FET296-S	LPC3240FET296,551	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI ² C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.16	10.04	8.90
771-LPC3250FET296/01-S	LPC3250FET296/01,5	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI ² C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.65	10.49	9.30
771-LPC3250FET296-S	LPC3250FET296,551	TFBGA-296	256K	6x32	11	USB 2.0, 7xUART, 2xI ² C, 2xSSP, 2xSPI	3-Ch 10-bit	87	11.65	10.49	9.30

NXP 32-BIT ARM CORTEX

• All devices come with an 8-Channel 10-Bit ADC *Also available in LQFP-48 package



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	Memory		Timers	Supply Voltage	Serial Interface	I/O Pins	Price Each		
			Flash	RAM					1	25	100
Cortex M0											
771-LPC1111FHN33101S	LPC1111FHN33/101,5	HVQFN-33	8K	2K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, SPI	42	1.30	1.17	0.94
771-LPC1111FHN33201S	LPC1111FHN33/201,5	HVQFN-33	8K	4K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, SPI	42	1.40	1.26	1.04
771-LPC1112FHN33101S	LPC1112FHN33/101,5	HVQFN-33	16K	2K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, SPI	42	1.50	1.35	1.12
771-LPC1112FHN33201S	LPC1112FHN33/201,5	HVQFN-33	16K	4K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, SPI	42	1.60	1.44	1.19
771-LPC1113FBD483011	LPC1113FBD48/301,1	LQFP-48	24K	8K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, 2xSPI	42	2.50	2.25	1.75
771-LPC1113FHN33201S	LPC1113FHN33/201,5	HVQFN-33	24K	4K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, SPI	42	1.70	1.53	1.27
771-LPC1113FHN33301S	LPC1113FHN33/301,5	HVQFN-33	24K	8K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, SPI	42	1.80	1.62	1.35
771-LPC1114FA4430152	LPC1114FA44/301,52	PLCC-44	32K	8K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, 2xSPI	42	2.90	2.61	2.16
771-LPC1114FBD483011	LPC1114FBD48/301,1	LQFP-48	32K	8K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, 2xSPI	42	2.80	2.52	1.96
771-LPC1114FHN33201S	LPC1114FHN33/201,5	HVQFN-33	32K	4K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, SPI	42	1.90	1.71	1.42
771-LPC1114FHN33301S	LPC1114FHN33/301,5	HVQFN-33	32K	8K	2x16-Bit, 2x32-Bit, Sys Tick, WDT	Motor Control PWM	UART, I ² C, SPI	42	2.20	1.98	1.54
Cortex M3											
771-LPC1342FHN33551	LPC1342FHN33,551	HVQFN-33	16K	4K	2x16-Bit, 2x32-Bit, WDT	Via Timers	USB, UART, SSP/SPI, I ² C	25	2.98	2.68	2.61
*771-LPC1343FBD48151	LPC1343FBD48,151	HVQFN-33	16K	8K	2x16-Bit, 2x32-Bit, WDT	Via Timers	USB, UART, SSP/SPI, I ² C	40	4.50	4.05	3.94
*771-LPC1343FHN33551	LPC1343FHN33,551	HVQFN-33	16K	8K	2x16-Bit, 2x32-Bit, WDT	Via Timers	USB, UART, SSP/SPI, I ² C	25	4.62	3.99	3.62
771-LPC1313FBD48,151	LPC1313FBD48,151	LQFP-48	32K	8K	2x16-Bit, 2x32-Bit, WDT	Via Timers	UART, SSP/SPI, I ² C	42	3.58	3.31	3.13
771-LPC1751FBD80551	LPC1751FBD80,551	SOT315-1	32K	8K	4x32-Bit, RTC, WDT	6-Ch PWM, Motor Cntrl PWM	USB, CAN, 4xUART, SPI, I ² C	52	4.21	3.51	3.31
771-LPC1752FBD80551	LPC1752FBD80,551	SOT315-1	64K	16K</							