

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 128KB											
771-LPC2104FBD48/01S	LPC2104FBD48/01-S		16K	4 x 32	6-ch	128K FL/16K RAM/2 UART/12C/SPI		32	9.26	7.40	6.25
771-LPC2105BBD48-S	LPC2105BBD48-S	LQFP48	32K	4 x 32	6-ch	2xUART; I ² C; SPI	---	32	8.06	7.51	6.98
771-LPC2105FBD48/01S	LPC2105FBD48/01-S		32K	4 x 32	6-ch	128K FL/32K RAM/2 UART/12C/SPI		32	8.95	8.05	7.14
771-LPC2106BBD48-S	LPC2106BBD48-S	LQFP48	64K	4 x 32	6-ch	2xUART; I ² C; SPI	---	32	10.66	9.98	9.31
771-LPC2106FBD48/01S	LPC2106FBD48/01-S		64K	4 x 32	6-ch	128K FL/64K RAM/2 UART/12C/SPI		32	10.66	9.98	9.31
771-LPC2106FBD48-S	LPC2106FBD48-S	LQFP48	64K	4 x 32	6-ch	2xUART; I ² C; SPI	---	32	10.66	9.98	9.31
771-LPC2106FHN48/01S	LPC2106FHN48/01-S		64K	4 x 32	6-ch	128K FL/64K RAM/2 UART/12C/SPI		32	11.85	10.66	9.45
771-LPC2106FHN48-S	LPC2106FHN48-S	HVQFN48	64K	4 x 32	6-ch	2xUART; I ² C; SPI	---	32	11.85	10.66	9.45
771-LPC2114FBD64/01S	LPC2114FBD64/01-S	LQFP64	16K	4 x 32	6-ch	2xUART; I ² C; 2xSPI	4-ch 10-bit	46	8.60	7.54	6.62
771-LPC2119FBD64/01S	LPC2119FBD64/01-S	LQFP64	16K	4 x 32	6-ch	2xUART; I ² C; 2xSPI; 2xCAN	4-ch 10-bit	46	9.30	8.37	7.42
771-LPC2134FBD64/01S	LPC2134FBD64/01-S	LQFP64	16K	4 x 32	6-ch	2xUART; 2xI ² C; 2xSPI	16-ch 10-bit	47	8.75	7.52	6.34
771-LPC2144FBD64-S	LPC2144FBD64-S	LQFP64	16K	4 x 32	6-ch	USB 2.0; 2xUART; 2xI ² C; 2xSPI	14-ch 10-bit	45	7.91	7.20	6.69
771-LPC2212FBD144/01S	LPC2212FBD144/01-S	LQFP144	16K	4 x 32	6-ch	2xUART; I ² C; 2xSPI	8-ch 10-bit	112	10.45	9.40	8.33
771-LPC2364FBD100-S	LPC2364FBD100-S	LQFP100	34K	6 x 32	6-ch	USB 2.0; ENET 2xCAN; I ² S; 4xUART 3xI ² C; 3xSPI	6-ch 10-bit	70	7.58	6.06	5.12
LCD Controller											
771-LPC2470FBD208-S	LPC2470FBD208-S	LQFP-208	98K	4 x 32	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	4 x 32	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	4 x 32	2X6 ch	LCD CONT/ETHNET/USB/512K FL	8-ch 10-bit	160	14.90	13.43	11.88
771-LPC2478FET208-S	LPC2478FET208-S	TFBGA-208	98K	4 x 32	2X6 ch	LCD CONT/ETHNET/USB/512K FL	8-ch 10-bit	160	14.00	13.45	11.90
Flash 16KB											
771-LPC2102FBD48-S	LPC2102FBD48-S	LQFP48	4K	4x32/2x16	---	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	32	3.96	3.17	2.59
Flash 1MB											
771-LPC2888FET180-S	LPC2888FET180-S	TFBGA180	64K	4 x 32	---	USB 2.0 HS; UART; I ² C	5-ch 10-bit	85	12.64	11.39	10.62
Flash 256KB											
771-LPC2124FBD64/01S	LPC2124FBD64/01-S	LQFP64	16K	4 x 32	6-ch	2xUART; I ² C; 2xSPI	4-ch 10-bit	46	9.30	8.37	7.42
771-LPC2129FBD64/01S	LPC2129FBD64/01-S	LQFP64	16K	4 x 32	6-ch	2xUART; I ² C; 2xSPI; 2xCAN	4-ch 10-bit	46	10.68	9.61	8.52
771-LPC2194HBD64/01S	LPC2194HBD64/01-S	LQFP64	16K	4 x 32	6-ch	2xUART; I ² C; 2xSPI; 4xCAN	4-ch 10-bit	46	12.19	10.97	9.73
771-LPC2214FBD144/01S	LPC2214FBD144/01-S	LQFP144	16K	4 x 32	6-ch	2xUART; I ² C; 2xSPI	10-ch 10-bit	112	11.55	9.99	9.21
771-LPC2136FBD64/01S	LPC2136FBD64/01-S	LQFP64	32K	4 x 32	6-ch	2xUART; 2xI ² C; 2xSPI	16-ch 10-bit	47	9.38	8.44	7.48
771-LPC2146FBD64-S	LPC2146FBD64-S	LQFP64	32K	4 x 32	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	LQFP100	58K	6 x 32	6-ch	USB 2.0; ENET; 2xCAN; I ² S; 4xUART; 3xI ² C; 3xSPI	6-ch 10-bit	70	9.02	7.22	6.40
Flash 32KB											
771-LPC2103FBD48-S	LPC2103FBD48-S	LQFP48	8K	4x32/2x16	---	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	32	4.70	3.76	3.08
771-LPC2131FBD64/01S	LPC2131FBD64/01-S	LQFP64	8K	4 x 32	6-ch	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	47	6.08	4.86	4.32
771-LPC2141FBD64-S	LPC2141FBD64-S	LQFP64	8K	4 x 32	6-ch	USB 2.0; 2xUART; 2xI ² C; 2xSPI	6-ch 10-bit	45	6.60	5.48	4.79
Flash 512KB											
771-LPC2138FBD64/01S	LPC2138FBD64/01-S	LQFP64	32K	4 x 32	6-ch	2xUART; 2xI ² C; 2xSPI	16-ch 10-bit	47	10.45	9.40	8.33
771-LPC2138FHN64/01	LPC2138FHN64/01	HVQFN64	32K	4 x 32	6-ch	2xUART; 2xI ² C; 2xSPI	16-ch 10-bit	47	10.68	9.61	8.52
771-LPC2148FBD64-S	LPC2148FBD64-S	LQFP64	32K	4 x 32	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	LQFP100	58K	6 x 32	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	LQFP144	58K	6 x 32	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-LPC2468FBD208-S	LPC2468FBD208-S	LQFP208	98K	6 x 32	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	TFBGA208	98K	6 x 32	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
Flash 64KB											
771-LPC2132FBD64/01S	LPC2132FBD64/01-S	LQFP64	16K	4 x 32	6-ch	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	47	7.42	5.94	5.11
Flash 8KB											
771-LPC2101FBD48-S	LPC2101FBD48-S	LQFP48	2K	4x32/2x16	---	2xUART; 2xI ² C; 2xSPI	8-ch 10-bit	32	3.15	2.52	1.96
RAM Only											
771-LPC2290FBD144/01S	LPC2290FBD144/01-S	LQFP144	16K	4 x 32	6-ch	2xUART; I ² C; 2xSPI; 2xCAN	8-ch 10-bit	112	7.60	6.08	5.17
771-LPC2210FBD144/01S	LPC2210FBD144/01-S	LQFP144	64K	4 x 32	6-ch	2xUART; I ² C; SPI	8-ch 10-bit	112	6.18	4.94	4.38

NXP LPC 3000 ARM 9, RAM ONLY

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
771-LPC3180FEL320-S	LPC3180FEL320-S	LFPGA320	64K	4 x 32	2-ch	USB 2.0; 7xUART; 2xI ² C; 2xSPI	3-ch 10-bit	55	15.10	12.59	9.44
771-LPC3220FET296-S	LPC3220FET296-S	TFBGA296	128	4 X 32	2 X 8, 2 X 32	ARM9 128KRAM VFP USB OTG	10 bit	87	11.58	10.42	9.24
771-LPC3230FET296-S	LPC3230FET296-S	TFBGA296	256	4 X 32	2 X 8, 2 X 32	ARM9 256KRAM VFP USB OTG LCD	10 bit	87	12.50	11.25	9.97
771-LPC3240FET296-S	LPC3240FET296-S	TFBGA296	256	4 X 32	2 X 8, 2 X 32	ARM9 256KRAM VFP USB OTG ETH	10 bit	87	12.91	11.62	10.30
771-LPC3250FET296-S	LPC3250FET296-S	TFBGA296	256	4 X 32	2 X 8, 2 X 32	ARM9 VFP USB OTG ETH LCD	10 bit	87	13.74	12.37	10.97

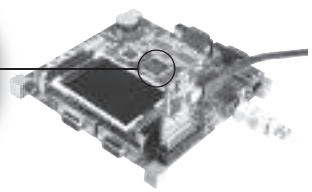
NEW!
TECHNOLOGY

32 BIT ARM CORTEX M3

- Features for the 32 Bit Arm Cortex M3:**
- Cortex-M3 Rev 2 core operating at up to 100 MHz
 - Up to 512 KB Flash memory and up to 64KB SRAM on-chip
 - Low power consumption down to 200 uA/MHz for LPC13xx devices
 - New Wake-up Interrupt Controller (WIC), Nested Vectored Interrupt Controller (NVIC), and Memory Protection Unit
 - Available with advanced peripherals like Ethernet, USB Host/OTG/Device, CAN, I2S, Fast-mode Plus (Fm+) I2C, 12-bit ADC, Motor Control PWM, Quadrature Encoder Interface, and more

- Features for the KEIL MCB 1760 Evaluation Board and Starter Kit:**
- 100MHz LPC1768 (100-pin) MCU
 - On-Chip Memory: 512KB Flash & 64KB RAM
 - Color QVGA TFT LCD
 - 10/100 Ethernet Port
 - USB 2.0 Full Speed
 - 2 CAN Interfaces
 - 2 Serial Ports
 - SD/MMC Card Interface
 - 5-position Joystick and push-button
 - 2 Serial Ports
 - SD/MMC Card Interface
 - 5-position Joystick and push-button
 - 2 Serial Ports
 - SD/MMC Card Interface
 - 5-position Joystick & push-button
 - Analog Voltage Control for ADC Input
 - Amplifier and Speaker
 - 70 GPIO pins
 - JTAG, Serial Wire, and ETM Trace interfaces

NEW
FROM SUPPLIER



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Memory Type/Flash	Package	RAM	Timers	PWMs	Supply Voltage	ADCs	I/O Pins	Price Each		
									1	25	100
771-LPC1751FBD80551	32KB	SOT315-1	8k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	52	4.74	4.26	3.31
771-LPC1752FBD80551	64KB	SOT315-1	16k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	52	5.68	4.54	3.83
771-LPC1754FBD80551	128KB	SOT315-1	32k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	52	6.64	5.31	4.48
771-LPC1756FBD80551	256KB	SOT315-1	32k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	52	7.80	6.24	5.26
771-LPC1758FBD80551	32KB	SOT315-1	64k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	52	9.78	7.82	6.60
771-LPC1764FBD100551	64KB	SOT407-2	32k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	70	7.58	6.06	5.11
771-LPC1765FBD100551	64KB	SOT407-2	64k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	70	8.56	6.84	5.77
771-LPC1766FBD100551	64KB	SOT407-3	64k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	70	9.02	7.21	6.08
771-LPC1768FBD100551	64KB	SOT407-4	64k	4x32-bit + RTC + WDT	6-ch PWM + Motor Control PWM	3.3V	6-chx12-bit	70	8.70	7.83	6.94

