

LPC1823JBD144E



Part Number: [LPC1823JBD144E](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144LQFP

Data sheet:  [LPC185x,3x,2x,1x Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

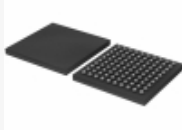
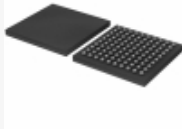
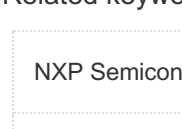
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PRODUCT PARAMETER			
Part Number	LPC1823JBD144E	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10223 pcs	Data sheet	LPC185x,3x,2x,1x Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Supplier Device Package	144-LQFP (20x20)	Speed	180MHz
Series	LPC18xx	RAM Size	104K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, Motor Control PWM, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LQFP	Other Names	935299788551
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	83	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	16K x 8
Detailed Description	ARM® Cortex®-M3 LPC18xx Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)	Data Converters	A/D 8x10b; D/A 1x10b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M3
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, Microwire, SD, SPI, SSI, SSP, UART/USART, USB, USB OTG	Base Part Number	LPC1823
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	Part#: LPC1813JBD144E Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1823JET100E Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1822JBD144E Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1822JET100E Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1830FBD144,551 Description: IC MCU 32BIT ROMLESS 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: LPC1813JET100E Description: IC MCU 32BIT 512KB FLSH 100TFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: LPC1825JET100E Description: IC MCU 32BIT 768KB FLASH 100BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: LPC1820FBD144,551 Description: IC MCU 32BIT ROMLESS 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1817JBD144E Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1830FBD144K Description: IC MCU 32BIT ROMLESS 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1825JBD144E Description: IC MCU 32BIT 768KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1815JBD144E Description: IC MCU 32BIT 768KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1815JET100E Description: IC MCU 32BIT 768KB FLSH 100TFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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