

LPC1815JBD144E



Part Number: [LPC1815JBD144E](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 768KB FLASH 144LQFP

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

RoHs Status: Lead free / RoHS Compliant

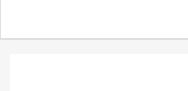
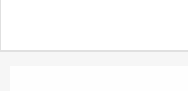
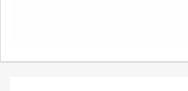
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PRODUCT PARAMETER			
Part Number	LPC1815JBD144E	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 768KB FLASH 144LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	10539 pcs	Data sheet	LPC185x,3x,2x,1x Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.2 V ~ 3.6 V
Speed	180MHz	Series	LPC18xx
RAM Size	136K x 8	Program Memory Type	FLASH
Program Memory Size	768KB (768K 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	935299785551	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 768KB (768K x 8) FLASH
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
Base Part Number	LPC1815		
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RELATED PRODUCTS			
	Part#: LPC1817JBD144E Description: IC MCU 32BIT 1MB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1817JET100E Description: IC MCU 32BIT 1MB FLASH 100TFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1820FBD144,551 Description: IC MCU 32BIT ROMLESS 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1810FBD144,551 Description: IC MCU 32BIT ROMLESS 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1813JBD144E 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#: LPC1788FET208,551 Description: IC MCU 32BIT 512KB FLASH 208BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1813JET100E Description: IC MCU 32BIT 512KB FLSH 100TFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1788FBD208,551 Description: IC MCU 32BIT 512KB FLASH 208LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: LPC1825JBD144E Description: IC MCU 32BIT 768KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: LPC1823JET100E Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1823JBD144E Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1815JET100E Description: IC MCU 32BIT 768KB FLSH 100TFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1812JBD144E Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1812JET100E Description: IC MCU 32BIT 512KB FLSH 100TFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1820FET100,551 Description: IC MCU 32BIT ROMLESS 100TFBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC17KM99-BTLR Description: EC FAN 162X55MM 90-264VAC	Manufacturers: Mechatronics	RFQ

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