

LPC1827JET100E



Part Number: [LPC1827JET100E](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 1MB FLASH 100TFBGA

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

RoHs Status: Lead free / RoHS Compliant

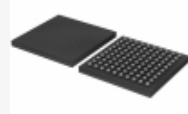
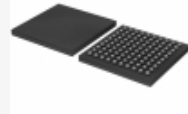
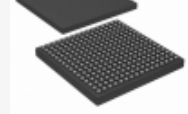
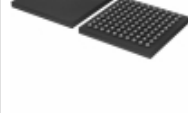
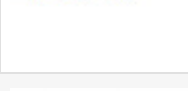
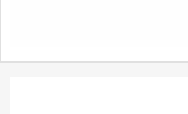
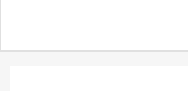
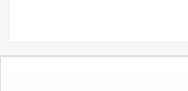
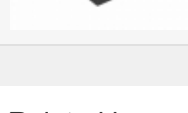
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PRODUCT PARAMETER		
Part Number	LPC1827JET100E	Manufacturer NXP Semiconductors / Freescale
Description	IC MCU 32BIT 1MB FLASH 100TFBGA	Lead Free Status / RoHS Status Lead free / RoHS Compliant
Quantity Available	12011 pcs	Data sheet LPC185x,3x,2x,1x Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd) 2.2 V ~ 3.6 V
Supplier Device Package	100-TFBGA (9x9)	Speed 180MHz
Series	LPC18xx	RAM Size 136K x 8
Program Memory Type	FLASH	Program Memory Size 1MB (1M x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, WDT	Packaging Tray
Package / Case	100-TFBGA	Other Names 935299813551
Oscillator Type	Internal	Operating Temperature -40°C ~ 105°C (TA)
Number of I/O	49	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 1MB (1M x 8) FLASH 100-TFBGA (9x9)	Data Converters A/D 4x10b; 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 LPC1827
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	Part#: LPC1833JBD144E 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#: LPC1820FBD144,551 Description: IC MCU 32BIT ROMLESS 144LQFP	Manufacturers: NXP Semiconductors / Freescale RFQ
	Part#: LPC1830FET256,551 Description: IC MCU 32BIT ROMLESS 256LBGA	Manufacturers: NXP Semiconductors / Freescale RFQ
	Part#: LPC1822JET100E 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
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	Part#: LPC1817JET100E Description: IC MCU 32BIT 1MB FLASH 100TFBGA	Manufacturers: NXP Semiconductors / Freescale RFQ
	Part#: LPC1830FBD144K Description: IC MCU 32BIT ROMLESS 144LQFP	Manufacturers: NXP Semiconductors / Freescale RFQ
	Part#: LPC1833JET100E Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: NXP Semiconductors / Freescale RFQ
	Part#: LPC1833JET256,551 Description: IC MCU 32BIT 512KB FLASH 256LBGA	Manufacturers: NXP Semiconductors / Freescale RFQ

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