

LPC1768FET100Y



Part Number: [LPC1768FET100Y](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 100TBGA

Data sheet:  [LPC1763-69](#)

RoHs Status: Lead free / RoHS Compliant

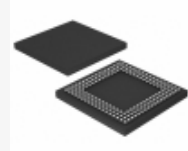
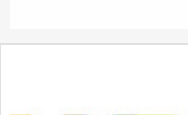
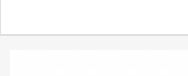
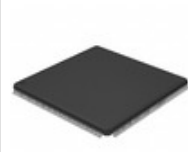
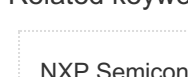
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PRODUCT PARAMETER			
Part Number	LPC1768FET100Y	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 100TBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13732 pcs	Data sheet	LPC1763-69
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.4 V ~ 3.6 V
Supplier Device Package	100-TFBGA (9x9)	Speed	100MHz
Series	LPC17xx	RAM Size	64K 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	Tape & Reel (TR)
Package / Case	100-TFBGA	Other Names	935291036518
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	70	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M3 LPC17xx Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 100-TFBGA (9x9)	Data Converters	A/D 8x12b, D/A 1x10b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M3
Connectivity	CANbus, Ethernet, I ² C, IrDA, Microwire, SPI, SSI, UART/USART, USB OTG		
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	Part#: LPC1763FBD100,551 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1768FET100,551 Description: IC MCU 32BIT 512KB FLASH 100BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1765FBD100,551 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: LPC1774FBD208,551 Description: IC MCU 32BIT 128KB FLASH 208LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1763FBD100K Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1768FET100Z Description: 512KB FLASH, 64KB SRAM, ETHERNET	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1763FBD100Y Description: 256KB FLASH, 64KB SRAM, NO CAN,	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1765FET100,551 Description: IC MCU 32BIT 256KB FLASH 100BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1776FBD208,551 Description: IC MCU 32BIT 256KB FLASH 208LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC1774FBD144,551 Description: IC MCU 32BIT 128KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ

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