

LPC54616J512BD100E



Part Number: [LPC54616J512BD100E](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: 32-BIT ARM CORTEX-M4

Data sheet:  [LPC Microcontrollers Brochure](#)
 [LPC546xx User Manual](#)
 [LPC546xx Datasheet](#)
 [LPC546xx MCU Family Fact Sheet](#)
 [LPC546xx Errata](#)

RoHs Status:

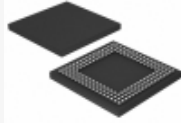
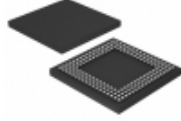
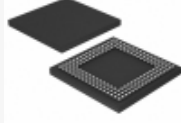
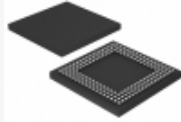
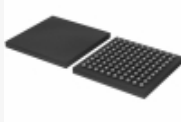
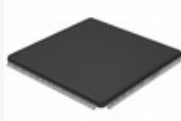
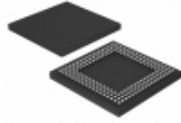
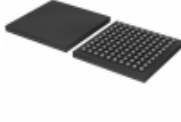
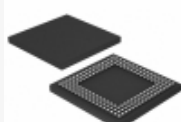
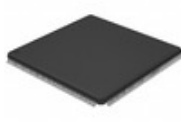
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PRODUCT PARAMETER			
Part Number	LPC54616J512BD100E	Manufacturer	NXP Semiconductors / Freescale
Description	32-BIT ARM CORTEX-M4	Lead Free Status / RoHS Status	
Quantity Available	22538 pcs	Data sheet	LPC Microcontrollers Brochure LPC546xx User Manual LPC546xx Datasheet LPC546xx MCU Family Fact Sheet LPC546xx Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	100-LQFP (14x14)	Speed	180MHz
Series	LPC546xx	RAM Size	200K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Packaging	Tray
Package / Case	100-LQFP	Other Names	568-13457 935344362551
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	64	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	12 Weeks	EEPROM Size	16K x 8
Detailed Description	ARM® Cortex®-M4 LPC546xx Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)	Data Converters	A/D 12x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, Ethernet, I ² C, SPI, UART/USART, USB		
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	Part#: LPC54607J256ET180E Description: IC MCU 32BIT 256KB FLASH 180BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: LPC54616J256ET180E Description: 32-BIT ARM CORTEX-M4	Manufacturers: NXP Semiconductors / Freescale	RFQ
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