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See specifications for product details.



LPC54101J512UK49Z

Manufacturer Part Number	LPC54101J512UK49Z
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-LPC54101J512UK49Z
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 512KB FLASH 49WLCSP
Package	49-UFBGA, WLCSP
Data sheet	LPC54101J512UK49Z.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

LPC54101J512UK49Z - NXP USA Inc..New Original in Stock. Download Linear Technology LPC54101J512UK49Z datasheet/specifications on AllelcoElec.com.
Request a quote for LPC54101J512UK49Z, please send us email: info@allelco.com

Specifications

LPC54101J512UK49Z Tech Specifications
LPC54101J512UK49Z - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	49-WLCSP (3.29x3.29)	Number of I/O	39
Speed	100MHz	Mounting Type	Surface Mount
Series	LPC54100	EEPROM Size	-
RAM Size	104K x 8	Data Converters	A/D 12x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	ARM® Cortex®-M4
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	49-UFBGA, WLCSP	Base Product Number	LPC54101
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. LPC54101J512UK49Z

Product Attribute				
Part Number	LPC54101J512UK49Z	LPC54101J256BD64QL	LPC54016JBD208E	LPC54016JET180
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Base Product Number	LPC54101	LPC54101	LPC54016	LPC54016
Speed	100MHz	100MHz	180MHz	180MHz
Supplier Device Package	49-WLCSP (3.29x3.29)	64-LQFP (10x10)	208-LQFP (28x28)	180-TFBGA (12x12)
Series	LPC54100	LPC54100	LPC540xx	-
Number of I/O	39	50	171	145
Package	Tape & Reel (TR)	Tray	Tray	Tray
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, POR, PWM, WDT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	ROMless	ROMless
EEPROM Size	-	-	-	-
Core Processor	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M4
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Program Memory Size	512KB (512K x 8)	256KB (256K x 8)	-	-
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit
Voltage - Supply (Vcc/Vdd)	1.62V ~ 3.6V	1.62V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
RAM Size	104K x 8	104K x 8	360K x 8	360K x 8
Package / Case	49-UFBGA, WLCSP	64-LQFP	208-LQFP	180-TFBGA
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SmartCard, SPI, SPIFI, UART/USART, USB	CANbus, EBI/EMI, Ethernet, I²C, MMC/SD/SDIO, SmartCard, SPI, SPIFI, UART/USART, USB
Oscillator Type	Internal	Internal	Internal	External, Internal
Data Converters	A/D 12x12b	A/D 12x12b	A/D 12x12b	A/D 12x12b SAR

LPC54101J512UK49Z Datasheet PDF

Download LPC54101J512UK49Z pdf datasheets and NXP USA Inc. documentation for LPC54101J512UK49Z - NXP USA Inc..

PCN Packaging



Environmental Information

Customers Also Interested in

Recommended Products

					
LPC54101J256BD64QL NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP	LPC54102JUK49 Freescale / NXP Semiconductors	LPC54102J512 UK49 1B Freescale / NXP Semiconductors	LPC54002J512UK49 Freescale / NXP Semiconductors	LPC54102J512BD64 Freescale / NXP Semiconductors	LPC54018J4MET180 Freescale / NXP Semiconductors
					
LPC54016JBD208E NXP USA Inc. IC MCU 32BIT ROMLESS 208LQFP	LPC54102J256BD64 Freescale / NXP Semiconductors	LPC54016JET180 NXP USA Inc. IC MCU 32BIT ROMLESS 180TFBGA	LPC54101J256UK49Z NXP USA Inc. IC MCU 32BIT 256KB FLASH 49WLCSP	LPC54102J256UK49Z NXP USA Inc. IC MCU 32BIT 256KB FLASH 49WLCSP	LPC54102J512UK49Z NXP USA Inc. IC MCU 32BIT 512KB FLASH 49WLCSP
					
LPC54102J512UK49 Freescale / NXP Semiconductors	LPC54101J512BD64 Freescale / NXP Semiconductors	LPC54018JET180E NXP USA Inc. IC MCU 32BIT ROMLESS 180TFBGA	LPC54101J256BD64 Freescale / NXP Semiconductors	LPC54102J512BD64QL NXP USA Inc. IC MCU 32BIT 512KB FLASH 64LQFP	LPC54102J256BD64QL NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
- > Use our account for the shipment. Refer to the table below for the approximate charges.
(Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



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-  Cost-Saving Procurement
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