



# LPC11U37FBD48/401

Manufacturer Part Number	<b>LPC11U37FBD48/401</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-LPC11U37FBD48/401
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 96KB FLASH 64LQFP
Package	64-LQFP
Data sheet	LPC11U37FBD48/401.pdf

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## Specifications

LPC11U37FBD48/401 Tech Specifications  
LPC11U37FBD48/401 - 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)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	54
Speed	50MHz	Mounting Type	Surface Mount
Series	LPC11Uxx	EEPROM Size	4K x 8
RAM Size	10K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	96KB (96K x 8)	Core Processor	ARM® Cortex®-M0
Peripherals	Brown-out Detect/Reset, POR, WDT	Connectivity	I <sup>2</sup> C, Microwire, SmartCard, SPI, SSP, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	LPC11
Package	Bulk		

## Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. LPC11U37FBD48/401

Product Attribute	NO PICTURE			
Part Number	LPC11U37FBD48/401	<a href="#">LPC11U37FBD64/50EL</a>	<a href="#">LPC11U37FBD48/40EL</a>	<a href="#">LPC11U663BD48E</a>
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Connectivity	I <sup>2</sup> C, Microwire, SmartCard, SPI, SSP, UART/USART, USB	I <sup>2</sup> C, Microwire, SmartCard, SPI, SSP, UART/USART, USB	I <sup>2</sup> C, Microwire, SmartCard, SPI, SSP, UART/USART, USB	I <sup>2</sup> C, Microwire, SPI, SSI, SSP, UART/USART, USB
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Bulk	Tray	Bulk	Tray
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	48-LQFP (7x7)	48-LQFP (7x7)
Core Processor	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, POR, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
RAM Size	10K x 8	10K x 8	10K x 8	12K x 8
Data Converters	A/D 8x10b	A/D 8x10b SAR	A/D 8x10b	A/D 8x12b
Number of I/O	54	54	40	34
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	50MHz	50MHz	50MHz	50MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 105°C (TA)
Program Memory Size	96KB (96K x 8)	128KB (128K x 8)	128KB (128K x 8)	64KB (64K x 8)
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Oscillator Type	Internal	Internal	Internal	Internal
Series	LPC11Uxx	LPC11Uxx	LPC11Uxx	LPC11Uxx
EEPROM Size	4K x 8	4K x 8	4K x 8	4K x 8
Package / Case	64-LQFP	64-LQFP	48-LQFP	48-LQFP
Base Product Number	LPC11	LPC11	LPC11	LPC11
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	2.4V ~ 3.6V

## Customers Also Interested in

### Recommended Products

**LPC11U37FET48/CP3316**  
Freescale / NXP Semiconductors

**LPC11U37FBD64/50EL**  
NXP USA Inc.  
IC MCU 32BIT 128KB FLASH 64LQFP

**LPC11U37FBD64**  
Freescale / NXP Semiconductors

**LPC11U35FET48/501**  
Freescale / NXP Semiconductors

**LPC11U36FBD48/401**  
Freescale / NXP Semiconductors

**LPC11U35FET48**  
Freescale / NXP Semiconductors



### LPC11U37FBD48/40EL

NXP USA Inc.  
IC MCU 32BIT 128KB FLASH 48LQFP

### LPC11U67JBD48

Freescale / NXP Semiconductors

### LPC11U66JBD48

Freescale / NXP Semiconductors

### LPC11U35FHI33/501

Freescale / NXP Semiconductors

### LPC11U35FHI33

Freescale / NXP Semiconductors

### LPC11U35FHN33/401

Freescale / NXP Semiconductors



### LPC11U35FBD64/401

Freescale / NXP Semiconductors

### LPC11U37FBD64/501

Freescale / NXP Semiconductors

### LPC11U66JBD48E

NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 48LQFP

### LPC11U67JBD100

Freescale / NXP Semiconductors

### LPC11U36FBD64/401

NXP USA Inc.  
IC MCU 32BIT 96KB FLASH 48LQFP

### LPC11U67J

Freescale / NXP Semiconductors

## 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 Allelco 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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 Phone  
+00852 9146 4856  
 Email  
info@allelco.com

## Certifications & Memberships



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### Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong  
Phone: +00852 9146 4856  
Fax: +00852 3010 8510  
Email: info@allelco.com