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See specifications for product details.



LPC824M201JHI33E

Manufacturer Part Number	LPC824M201JHI33E
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-LPC824M201JHI33E
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 32BIT 32KB FLASH 32HVQFN
Package	32-VFQFN Exposed Pad
Data sheet	Cylindrical Battery Holders.pdf
	LPC82x.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

LPC824M201JHI33E - NXP USA Inc..New Original in Stock. Download Linear Technology LPC824M201JHI33E datasheet/specifications on AllelcoElec.com.
Request a quote for LPC824M201JHI33E, please send us email: info@allelco.com

Specifications

LPC824M201JHI33E Tech Specifications
LPC824M201JHI33E - 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 ~ 105°C (TA)
Supplier Device Package	32-HVQFN (5x5)	Number of I/O	29
Speed	30MHz	Mounting Type	Surface Mount
Series	LPC82x	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 12x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	32KB (32K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART
Package / Case	32-VFQFN Exposed Pad	Base Product Number	LPC824
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. LPC824M201JHI33E

Product Attribute				
Part Number	LPC824M201JHI33E	LPC824M201JDH20J	LPC824M201JHI33Y	LPC822M101JHI33E
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Speed	30MHz	30MHz	30MHz	30MHz
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	32-VFQFN Exposed Pad	20-TSSOP (0.173", 4.40mm Width)	32-VFQFN Exposed Pad	32-VFQFN Exposed Pad
Supplier Device Package	32-HVQFN (5x5)	20-TSSOP	32-HVQFN (5x5)	32-HVQFN (5x5)
Base Product Number	LPC824	LPC824	LPC824	LPC822
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Program Memory Size	32KB (32K x 8)	32KB (32K x 8)	32KB (32K x 8)	16KB (16K x 8)
RAM Size	8K x 8	8K x 8	8K x 8	4K x 8
Number of I/O	29	16	29	29
Connectivity	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART	I²C, SPI, UART/USART
Data Converters	A/D 12x12b	A/D 5x12b	A/D 12x12b	A/D 12x12b
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package	Tray	Tape & Reel (TR)	Tape & Reel (TR)	Tray
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, 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
Series	LPC82x	LPC82x	LPC82x	LPC82x
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
EEPROM Size	-	-	-	-
Oscillator Type	Internal	Internal	Internal	Internal

LPC824M201JHI33E Datasheet PDF

Download LPC824M201JHI33E pdf datasheets and NXP USA Inc. documentation for LPC824M201JHI33E - NXP USA Inc..

Datasheets


Cylindrical Battery Holders.pdf


PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf

Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Design/Specification

 LPC82x/LPC83x 06/May/2022.pdf

 Rev.1B 13-May-2022.pdf

PCN Assembly/Origin

 2.73KHz.pdf

HTML Datasheet

 LPC82x.pdf

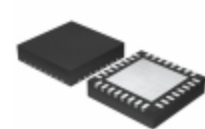
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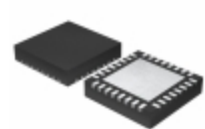
LPC824M201JDH20J

NXP USA Inc.
IC MCU 32BIT 32KB FLASH 20TSSOP



LPC824M201JHI33Y

NXP USA Inc.
IC MCU 32BIT 32KB FLASH 32HVQFN



LPC822M101JHI33E

NXP USA Inc.
IC MCU 32BIT 16KB FLASH 33HVQFN



LPC824M201JHI33

Freescale / NXP Semiconductors



LPC822M101JHI33

Freescale / NXP Semiconductors



LPC822M101JDH20

Freescale / NXP Semiconductors



LPC812M101JTB16

Freescale / NXP Semiconductors



LPC845M301JBD64E

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



LPC845M301JBD64

Freescale / NXP Semiconductors



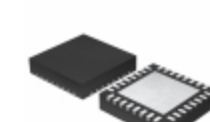
LPC845M301JHI33

Freescale / NXP Semiconductors



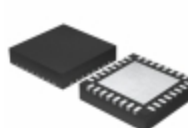
LPC844M201JBD48

Freescale / NXP Semiconductors



LPC845M301JHI33E

NXP USA Inc.
IC MCU 32BIT 64KB FLASH 32HVQFN



LPC822M101JHI33Y

NXP USA Inc.
IC MCU 32BIT 16KB FLASH 32HVQFN



LPC844M201JHI48E

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



LPC824M201JH133

Freescale / NXP Semiconductors



LPC824M201JHI33K

NXP USA Inc.
IC MCU 32BIT 32KB FLASH 32HVQFN



LPC845M301JBD48

Freescale / NXP Semiconductors



LPC812M101JTB16/S50C

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 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.



Your Faithful Supply Chain Partner -



Efficient Supply Management



Cost-Saving Procurement



Fast Sourcing & Delivery

Contact us if you have any questions.



Phone

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Email

info@alleco.com

Certifications & Memberships



View More

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