

Image may be representation.
See specifications for product details.



LPC845M301JHI48K

| | |
|--------------------------|--|
| Manufacturer Part Number | LPC845M301JHI48K |
| Manufacturer | NXP Semiconductors |
| Allelco Part Number | 32D-LPC845M301JHI48K |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | IC MCU 32BIT 64KB FLASH 48HVQFN |
| Package | 48-VFQFN Exposed Pad |
| Data sheet | LPC84x Datasheet.pdf LPC84x Datasheet.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

LPC845M301JHI48K - NXP USA Inc..New Original in Stock. Download Linear Technology LPC845M301JHI48K datasheet/specifications on AllelcoElec.com.
Request a quote for LPC845M301JHI48K, please send us email: info@allelco.com

Specifications

LPC845M301JHI48K Tech Specifications
LPC845M301JHI48K - NXP USA Inc. technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|--|-----------------------|-----------------------------------|
| Manufacturer | NXP Semiconductors | Oscillator Type | External, Internal |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 3.6V | Operating Temperature | -40°C ~ 105°C (TA) |
| Supplier Device Package | 48-HVQFN (7x7) | Number of I/O | 42 |
| Speed | 30MHz | Mounting Type | Surface Mount |
| Series | LPC84x | EEPROM Size | - |
| RAM Size | 16K x 8 | Data Converters | A/D 12x12b; D/A 2x10b |
| Program Memory Type | FLASH | Core Size | 32-Bit Single-Core |
| Program Memory Size | 64KB (64K x 8) | Core Processor | ARM® Cortex®-M0+ |
| Peripherals | Brown-out Detect/Reset, Capacitive Touch, DMA, POR, PWM, WDT | Connectivity | I ² C, SPI, UART/USART |
| Package / Case | 48-VFQFN Exposed Pad | Base Product Number | LPC845 |
| Package | Bulk | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. LPC845M301JHI48K

| Product Attribute | | | | |
|----------------------------|--|--|--|--|
| Part Number | LPC845M301JHI48K | LPC845M301JHI33Y | LPC844M201JHI48E | LPC845M301JBD64E |
| Manufacturer | NXP USA Inc. | NXP USA Inc. | NXP USA Inc. | NXP USA Inc. |
| Operating Temperature | -40°C ~ 105°C (TA) | -40°C ~ 105°C (TA) | -40°C ~ 105°C (TA) | -40°C ~ 105°C (TA) |
| Core Processor | ARM® Cortex®-M0+ | ARM® Cortex®-M0+ | ARM® Cortex®-M0+ | ARM® Cortex®-M0+ |
| Package / Case | 48-VFQFN Exposed Pad | 32-VFQFN Exposed Pad | 48-VFQFN Exposed Pad | 64-LQFP |
| Core Size | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core | 32-Bit Single-Core |
| Supplier Device Package | 48-HVQFN (7x7) | 32-HVQFN (5x5) | 48-HVQFN (7x7) | 64-LQFP (10x10) |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 3.6V | 1.8V ~ 3.6V | 1.8V ~ 3.6V | 1.8V ~ 3.6V |
| Oscillator Type | External, Internal | External, Internal | External, Internal | External, Internal |
| Package | Bulk | Tape & Reel (TR) | Tray | Tray |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Speed | 30MHz | 30MHz | 30MHz | 30MHz |
| Program Memory Size | 64KB (64K x 8) | 64KB (64K x 8) | 64KB (64K x 8) | 64KB (64K x 8) |
| Data Converters | A/D 12x12b; D/A 2x10b | A/D 12x12b; D/A 1x10b | A/D 12x12b | A/D 12x12b; D/A 2x10b |
| Peripherals | Brown-out Detect/Reset, Capacitive Touch, DMA, POR, PWM, WDT | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Brown-out Detect/Reset, DMA, POR, PWM, WDT | Brown-out Detect/Reset, Capacitive Touch, DMA, POR, PWM, WDT |
| Number of I/O | 42 | 29 | 42 | 54 |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Series | LPC84x | LPC84x | LPC84x | LPC84x |
| EEPROM Size | - | - | - | - |
| Connectivity | I ² C, SPI, UART/USART | I ² C, SPI, UART/USART | I ² C, SPI, UART/USART | I ² C, SPI, UART/USART |
| Base Product Number | LPC845 | LPC845 | LPC844 | LPC845 |
| RAM Size | 16K x 8 | 16K x 8 | 8K x 8 | 16K x 8 |

LPC845M301JHI48K Datasheet PDF


Download LPC845M301JHI48K pdf datasheets and NXP USA Inc. documentation for LPC845M301JHI48K - NXP USA Inc..

Datasheets

LPC84x Datasheet.pdf

Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Packaging

 5+1 Dry Pack Chg 4/May/2022.pdf

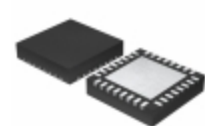
 Mult Dev Pkg Seal 15/Dec/2020.pdf

HTML Datasheet

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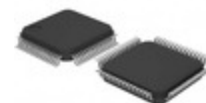
LPC845M301JHI33Y
NXP USA Inc.
IC MCU 32BIT 64KB FLASH 32HVQFN



LPC844M201JHI48E
NXP USA Inc.
IC MCU 32BIT 64KB FLASH 48HVQFN



LPC932A1FDH
Freescale / NXP Semiconductors



LPC845M301JBD64E
NXP USA Inc.
IC MCU 32BIT 64KB FLASH 64LQFP



LPC901HD
LUMILEDS



LPC845M301JBD64
Freescale / NXP Semiconductors



LPC845M301JBD48
Freescale / NXP Semiconductors



LPC845M301JHI48
Freescale / NXP Semiconductors



NO PICTURE

LPC870-G
OSRAM



NO PICTURE

LPC922F
NXP/PHILI



LPC920FDH
LUMILEDS



LPC932A1FA
Freescale / NXP Semiconductors



LPC901F
Freescale / NXP Semiconductors



LPC845M301JHI33E
NXP USA Inc.
IC MCU 32BIT 64KB FLASH 32HVQFN



LPC845M301JHI33
Freescale / NXP Semiconductors



LPC917F
LUMILEDS



LPC921F
Freescale / NXP Semiconductors



LPC915F
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.



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@allelco.com

Certifications & Memberships



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