

LPC844M201JBD48E



**Part Number:** [LPC844M201JBD48E](#)

**Manufacturer:** [NXP Semiconductors / Freescale](#)

**Description:** 32-BIT ARM CORTEX-M0+

**Data sheet:**  [LPC84x Datasheet](#)  
 [LPC84x Errata](#)  
 [LPC84x User Manual](#)  
 [LPC800 Series MCUs Brochure](#)

**RoHs Status:**

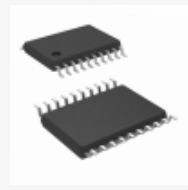
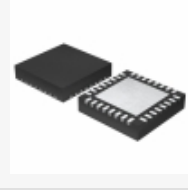
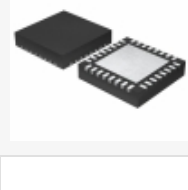
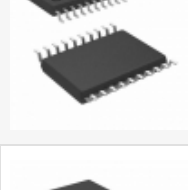
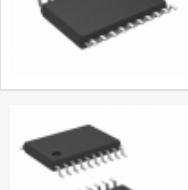
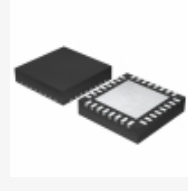
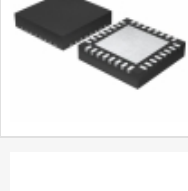
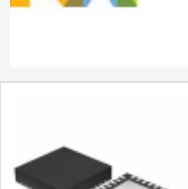
**Ship From:** Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |                                  |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LPC844M201JBD48E                                      | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                         |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 32-BIT ARM CORTEX-M0+                                 | Lead Free Status / RoHS Status   |                                                                                                                                                        |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 84980 pcs                                             | Data sheet                       | <a href="#">LPC84x Datasheet</a><br><a href="#">LPC84x Errata</a><br><a href="#">LPC84x User Manual</a><br><a href="#">LPC800 Series MCUs Brochure</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <a href="#">Integrated Circuits (ICs)</a>             | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 3.6 V                                                                                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 48-LQFP (7x7)                                         | Speed                            | 30MHz                                                                                                                                                  |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LPC84x                                                | RAM Size                         | 8K x 8                                                                                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | FLASH                                                 | Program Memory Size              | 64KB (64K x 8)                                                                                                                                         |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Brown-out Detect/Reset, Cap Sense, DMA, POR, PWM, WDT | Packaging                        | Tray                                                                                                                                                   |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 48-LQFP                                               | Other Names                      | 568-14568<br>935336501551<br>LPC844M201JBD48E-ND                                                                                                       |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Internal/External                                     | Operating Temperature            | -40°C ~ 105°C (TA)                                                                                                                                     |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 42                                                    | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                                                          |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                     | Detailed Description             | ARM® Cortex®-M0+ LPC84x Microcontroller IC 32-Bit 30MHz 64KB (64K x 8) FLASH 48-LQFP (7x7)                                                             |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A/D 12x12b                                            | Core Size                        | 32-Bit                                                                                                                                                 |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ARM® Cortex®-M0+                                      | Connectivity                     | I²C, SPI, UART/USART                                                                                                                                   |
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|  | Part#: <a href="#">LPC812M101JTB16X</a><br>Description: IC MCU 32BIT 16KB FLASH 16XSON    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LPC844M201JBD64E</a><br>Description: 32-BIT ARM CORTEX-M0+             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LPC832M101FDH20FP</a><br>Description: 32-BIT ARM CORTEX-M0+ MICROCONTR | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC844M201JHI48E</a><br>Description: 32-BIT ARM CORTEX-M0+             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LPC845M301JHI33Y</a><br>Description: 32-BIT ARM CORTEX-M0+             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LPC834M101FHI33Y</a><br>Description: 32-BIT ARM CORTEX-M0+ MICROCONTR  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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|  | Part#: <a href="#">LPC824M201JHI33Y</a><br>Description: IC MCU 32BIT 32KB FLASH 32HVQFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC824M201JHI33E</a><br>Description: IC MCU 32BIT 32KB FLASH 32HVQFN   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
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