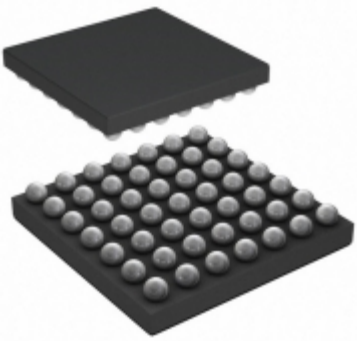


LPC54102J256UK49Z



Part Number: [LPC54102J256UK49Z](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 49WLCSP

Data sheet:  [LPC5410x](#)

RoHs Status: Lead free / RoHS Compliant

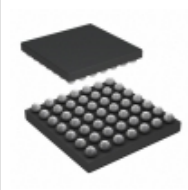
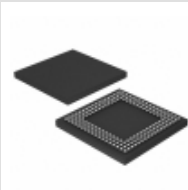
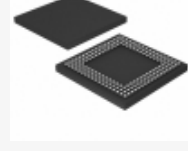
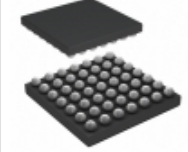
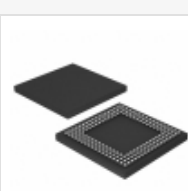
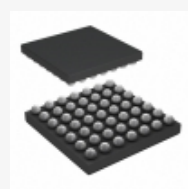
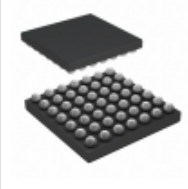
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                     |                                  |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                  | LPC54102J256UK49Z                                                                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                  | IC MCU 32BIT 256KB FLASH 49WLCSP                                                                                    | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                           | 24000 pcs                                                                                                           | Data sheet                       | <a href="#">LPC5410x</a>                       |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                     | <a href="#">Integrated Circuits (ICs)</a>                                                                           | Voltage - Supply (Vcc/Vdd)       | 1.62 V ~ 3.6 V                                 |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                      | 49-WLCSP (3.29x3.29)                                                                                                | Speed                            | 100MHz                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                       | LPC54100                                                                                                            | RAM Size                         | 104K x 8                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                          | FLASH                                                                                                               | Program Memory Size              | 256KB (256K x 8)                               |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                  | Brown-out Detect/Reset, POR, PWM, WDT                                                                               | Packaging                        | Cut Tape (CT)                                  |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                               | 49-UFBGA, WLCSP                                                                                                     | Other Names                      | 568-12892-1                                    |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                              | Internal                                                                                                            | Operating Temperature            | -40°C ~ 105°C (TA)                             |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                | 39                                                                                                                  | Moisture Sensitivity Level (MSL) | 1 (Unlimited)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                               | Lead free / RoHS Compliant                                                                                          | EEPROM Size                      | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                         | ARM® Cortex®-M4/M0+ LPC54100 Microcontroller IC 32-Bit Dual-Core 100MHz 256KB (256K x 8) FLASH 49-WLCSP (3.29x3.29) | Data Converters                  | A/D 12x12b                                     |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                    | 32-Bit Dual-Core                                                                                                    | Core Processor                   | ARM® Cortex®-M4/M0+                            |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                 | I <sup>2</sup> C, SPI, UART/USART                                                                                   |                                  |                                                |
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|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">LPC54101J512BD64QL</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54114J256BD64QL</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54102J512UK49Z</a><br>Description: IC MCU 32BIT 512KB FLASH 49WLCSP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54113J128BD64QL</a><br>Description: IC MCU 32BIT 128KB FLASH 64LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54101J256BD64QL</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54605J256ET100E</a><br>Description: 32-BIT ARM CORTEX-M4            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54016JET180E</a><br>Description: 32-BIT ARM CORTEX-M4               | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54018JET180E</a><br>Description: 32-BIT ARM CORTEX-M4               | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54114J256UK49Z</a><br>Description: IC MCU 32BIT 256KB FLASH 49WLCSP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54605J256BD100E</a><br>Description: 32-BIT ARM CORTEX-M4            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54113J256BD64QL</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54016JBD100E</a><br>Description: 32-BIT ARM CORTEX-M4               | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54605J256ET180E</a><br>Description: IC MCU 32BIT 256KB FLASH 180BGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54113J256UK49Z</a><br>Description: IC MCU 32BIT 256KB FLASH 49WLCSP | Manufacturers: <a href="#">NXP USA Inc.</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54102J256BD64QL</a><br>Description: IC MCU 32BIT 256KB FLASH 64LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54101J256UK49Z</a><br>Description: IC MCU 32BIT 256KB FLASH 49WLCSP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54101J512UK49Z</a><br>Description: IC MCU 32BIT 512KB FLASH 49WLCSP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54102J512BD64QL</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54018JBD208E</a><br>Description: 32-BIT ARM CORTEX-M4               | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LPC54016JBD208E</a><br>Description: 32-BIT ARM CORTEX-M4               | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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