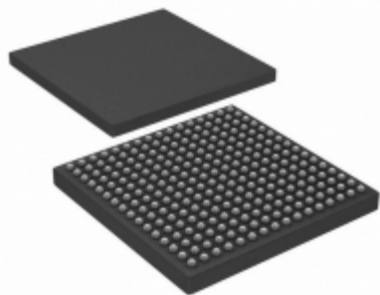


LPC4357FET256,551



Images are for reference only.  
See Product Specifications for product details.  
**Buy LPC4357FET256,551 with confidence from Component-World.HK, 1 Year Warranty**



**Part Number:** [LPC4357FET256,551](#)

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

**Description:** IC MCU 32BIT 1MB FLASH 256LBGA

**Data sheet:**  [LPC435x,3x,2x,1x Datasheet](#)  
 [LPC4300 Series Leaflet](#)

**RoHs Status:** Lead free / RoHS Compliant

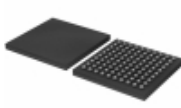
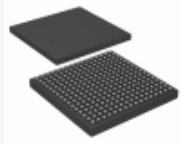
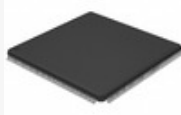
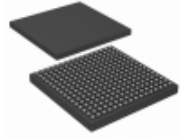
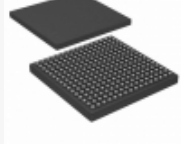
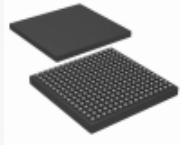
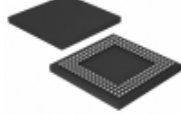
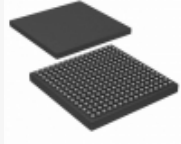
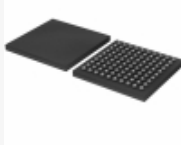
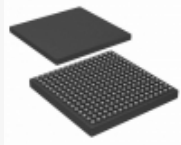
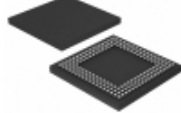
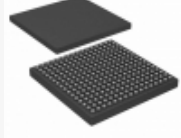
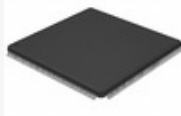
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| PRODUCT PARAMETER               |                                                                                      |                                  |                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|
| Part Number                     | LPC4357FET256,551                                                                    | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                                                 |
| Description                     | IC MCU 32BIT 1MB FLASH 256LBGA                                                       | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                     |
| Quantity Available              | 9112 pcs                                                                             | Data sheet                       | <a href="#">LPC435x,3x,2x,1x Datasheet</a><br><a href="#">LPC4300 Series Leaflet</a>                           |
| Category                        | <a href="#">Integrated Circuits (ICs)</a>                                            | Voltage - Supply (Vcc/Vdd)       | 2.2 V ~ 3.6 V                                                                                                  |
| Supplier Device Package         | 256-LBGA (17x17)                                                                     | Speed                            | 204MHz                                                                                                         |
| Series                          | LPC43xx                                                                              | RAM Size                         | 136K x 8                                                                                                       |
| Program Memory Type             | FLASH                                                                                | Program Memory Size              | 1MB (1M x 8)                                                                                                   |
| Peripherals                     | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, LCD, Motor Control PWM, POR, PWM, WDT | Packaging                        | Tray                                                                                                           |
| Package / Case                  | 256-LBGA                                                                             | Other Names                      | 568-9603<br>935297131551<br>LPC4357FET256551                                                                   |
| Oscillator Type                 | Internal                                                                             | Operating Temperature            | -40°C ~ 85°C (TA)                                                                                              |
| Number of I/O                   | 164                                                                                  | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                                                  |
| Manufacturer Standard Lead Time | 12 Weeks                                                                             | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                                     |
| EEPROM Size                     | 16K x 8                                                                              | Detailed Description             | ARM® Cortex®-M4/M0 LPC43xx Microcontroller IC 32-Bit Dual-Core 204MHz 1MB (1M x 8) FLASH 256-LBGA (17x17)      |
| Data Converters                 | A/D 8x10b; D/A 1x10b                                                                 | Core Size                        | 32-Bit Dual-Core                                                                                               |
| Core Processor                  | ARM® Cortex®-M4/M0                                                                   | Connectivity                     | CANbus, EBI/EMI, Ethernet, I <sup>2</sup> C, IrDA, Microwire, QEI, SD, SPI, SSI, SSP, UART/USART, USB, USB OTG |
| Base Part Number                | LPC4357                                                                              |                                  |                                                                                                                |

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| RELATED PRODUCTS                                                                   |                                                                                           |                                                               |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------|
|  | Part#: <a href="#">LPC4370FET100E</a><br>Description: IC MCU 32BIT ROMLESS 100TFBGA       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4353FET256,551</a><br>Description: IC MCU 32BIT 512KB FLASH 256LBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4367JBD208E</a><br>Description: IC MCU 32BIT 1MB FLASH 208LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4357JBD208E</a><br>Description: IC MCU 32BIT 1MB FLASH 208LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4337JET256,551</a><br>Description: IC MCU 32BIT 1MB FLASH 256LBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4350FET256,551</a><br>Description: IC MCU 32BIT ROMLESS 256LBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4337JET256Y</a><br>Description: 32-BIT ARM CORTEX-M4/M0 MCU; UP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4357JET256,551</a><br>Description: IC MCU 32BIT 1MB FLASH 256LBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC43S20FET180E</a><br>Description: IC MCU 32BIT ROMLESS 180TFBGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4367JET256E</a><br>Description: IC MCU 32BIT 1MB FLASH 256LBGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4366JET256E</a><br>Description: MCU 32BIT ARM CORTEX 256LBGA        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC43S20FBD144E</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4337JET100E</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4367JET100E</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4337JBD144E</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4370FET256E</a><br>Description: IC MCU 32BIT ROMLESS 256LBGA        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4350FET180,551</a><br>Description: IC MCU 32BIT ROMLESS 180TFBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4353JET256,551</a><br>Description: IC MCU 32BIT 512KB FLASH 256LBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4353JBD208E</a><br>Description: IC MCU 32BIT 512KB FLASH 208LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |
|  | Part#: <a href="#">LPC4350FBD208,551</a><br>Description: IC MCU 32BIT ROMLESS 208LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <a href="#">RFQ</a> |

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