

NXP Semiconductors / Freescale

### LPC43S30FET256E

|                      |                                |
|----------------------|--------------------------------|
| Part Number:         | LPC43S30FET256E                |
| Manufacturer/Brand:  | NXP Semiconductors / Freescale |
| Product description: | IC MCU 32BIT ROMLESS 256LBGA   |
| Datasheets:          |                                |
| RoHS Status:         | Lead free / RoHS Compliant     |
| Stock Condition:     | 7466 pcs stock                 |
| Ship From:           | Hong Kong                      |
| Shipment Way:        | DHL/Fedex/TNT/UPS/EMS          |

**REQUEST FOR QUOTATION**

Image may be representation. See specifications for product details.

#### Specifications of LPC43S30FET256E

|                                  |   |
|----------------------------------|---|
| PART NUMBER                      | LPC43S30FET256E   |
| MANUFACTURER                     | NXP Semiconductors / Freescale  |
| DESCRIPTION                      | IC MCU 32BIT ROMLESS 256LBGA  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant  |
| QUANTITY AVAILABLE               | 7466 pcs  |
| DATA SHEET                       |   |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.2 V ~ 3.6 V   |
| SUPPLIER DEVICE PACKAGE          | 256-LBGA (17x17)  |
| SPEED                            | 204MHz  |
| SERIES                           | LPC43xx   |
| RAM SIZE                         | 264K x 8  |
| PROGRAM MEMORY TYPE              | ROMless   |
| PROGRAM MEMORY SIZE              | -   |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, Motor Control PWM, POR, PWM, WDT                           |
| PACKAGING                        | Tray  |
| PACKAGE / CASE                   | 256-LBGA  |
| OTHER NAMES                      | 568-11702<br>935299908551<br>LPC43S30FET256E-ND   |
| OSCILLATOR TYPE                  | Internal  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)   |
| NUMBER OF I/O                    | 164   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant  |
| EEPROM SIZE                      | -   |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4/M0 LPC43xx Microcontroller IC 32-Bit Dual-Core 204MHz ROMless 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, SD, SPI, SSI, SSP, UART/USART, USB, USB OTG |

#### Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| LPC43S30FET256E               | LPC43S30FET256E Distributor        | LPC43S30FET256E Supplier  |
| LPC43S30FET256E Price         | LPC43S30FET256E Pictures           | LPC43S30FET256E Image     |
| LPC43S30FET256E PDF Datasheet | LPC43S30FET256E Download Datasheet | LPC43S30FET256E Datasheet |
| LPC43S30FET256E Stock         | Buy LPC43S30FET256E                | Buy LPC43S30FET256E       |
| LPC43S30FET256E               | Supplier                           | Distributor               |

#### Related Products

|   |  |  |
|---|--|--|
| <p><b>LPC43S57JBD208E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 208LQFP<br/>In stock: 7683 pcs</p> <p><b>RFQ</b></p>           | <p><b>LPC43S20FBD144E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 144LQFP<br/>In stock: 9377 pcs</p> <p><b>RFQ</b></p>    |  |
| <p><b>LPC43S50FET256.551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT ROMLESS 256LBGA<br/>In stock: 8721 pcs</p> | <p><b>LPC43S57JET256E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 256LBGA<br/>In stock: 6500 pcs</p> <p><b>RFQ</b></p>  | <p><b>LPC43S30FBD144E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 144LQFP<br/>In stock: 10241 pcs</p> <p><b>RFQ</b></p> |
| <p><b>LPC43S37JBD144E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br/>In stock: 6213 pcs</p> <p><b>RFQ</b></p>           | <p><b>LPC43S30FET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 100TFBGA<br/>In stock: 9209 pcs</p> <p><b>RFQ</b></p>   |  |
| <p><b>LPC43S50FET180E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 180TFBGA<br/>In stock: 8303 pcs</p> <p><b>RFQ</b></p>            | <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p> | <p><b>LPC43S50FET180E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 180TFBGA<br/>In stock: 8303 pcs</p> <p><b>RFQ</b></p> |
| <p><b>LPC43S20FET180E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 180TFBGA<br/>In stock: 13695 pcs</p> <p><b>RFQ</b></p>           | <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p> | <p><b>LPC43S50FET180E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 180TFBGA<br/>In stock: 8303 pcs</p> <p><b>RFQ</b></p> |
| <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p>          | <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p> | <p><b>LPC43S50FET180E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 180TFBGA<br/>In stock: 8303 pcs</p> <p><b>RFQ</b></p> |
| <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p>          | <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p> | <p><b>LPC43S50FET180E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 180TFBGA<br/>In stock: 8303 pcs</p> <p><b>RFQ</b></p> |
| <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p>          | <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p> | <p><b>LPC43S50FET180E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 180TFBGA<br/>In stock: 8303 pcs</p> <p><b>RFQ</b></p> |
| <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p>          | <p><b>LPC43S37JET100E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br/>In stock: 6933 pcs</p> <p><b>RFQ</b></p> | <p><b>LPC43S50FET180E</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT ROMLESS 180TFBGA<br/>In stock: 8303 pcs</p> <p><b>RFQ</b></p> |