

LPC18S10FET100E



Part Number: [LPC18S10FET100E](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT ROMLESS 100TFBGA

Data sheet:  [LPC18S50/S30/S10](#)

RoHs Status: Lead free / RoHS Compliant

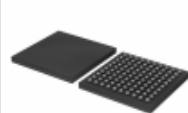
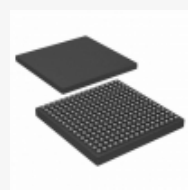
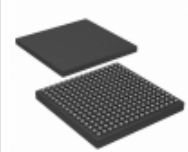
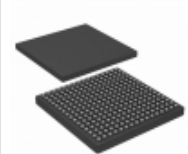
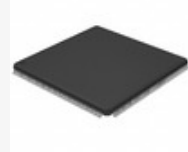
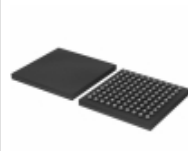
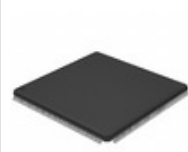
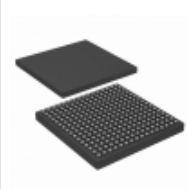
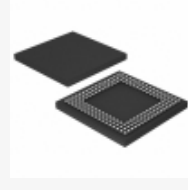
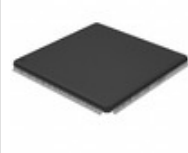
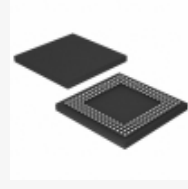
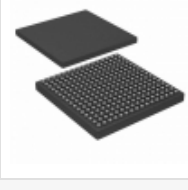
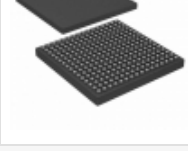
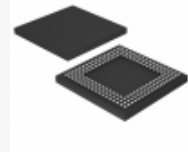
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                       |                                  |                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LPC18S10FET100E                                                                       | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC MCU 32BIT ROMLESS 100TFBGA                                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 23648 pcs                                                                             | Data sheet                       | <a href="#">LPC18S50/S30/S10</a>               |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>                                             | Voltage - Supply (Vcc/Vdd)       | 2.2 V ~ 3.6 V                                  |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 100-TFBGA (9x9)                                                                       | Speed                            | 180MHz                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | LPC18xx                                                                               | RAM Size                         | 136K x 8                                       |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ROMless                                                                               | Program Memory Size              | -                                              |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Brown-out Detect/Reset, DMA, I <sup>2</sup> S, POR, WDT                               | Packaging                        | Tray                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-TFBGA                                                                             | Other Names                      | 568-11704<br>935304177551                      |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Internal                                                                              | Operating Temperature            | -40°C ~ 85°C (TA)                              |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 49                                                                                    | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                  |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                                                            | EEPROM Size                      | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ARM® Cortex®-M3 LPC18xx Microcontroller IC 32-Bit 180MHz ROMless 100-TFBGA (9x9)      | Data Converters                  | A/D 4x10b; D/A 1x10b                           |
| Core Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 32-Bit                                                                                | Core Processor                   | ARM® Cortex®-M3                                |
| Connectivity                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, Microwire, MMC/SD, SPI, SSI, SSP, UART/USART |                                  |                                                |
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| RELATED PRODUCTS                                                                   |                                                                                           |                                                               |     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----|
|  | Part#: <a href="#">LPC18S37JET100E</a><br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1850FET256,551</a><br>Description: IC MCU 32BIT ROMLESS 256LBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1857JET256,551</a><br>Description: IC MCU 32BIT 1MB FLASH 256LBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S30FBD144E</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S30FET256E</a><br>Description: IC MCU 32BIT ROMLESS 256LBGA       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S57JET256E</a><br>Description: IC MCU 32BIT 1MB FLASH 256LBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S37JBD144E</a><br>Description: IC MCU 32BIT 1MB FLASH 144LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1850FBD208,551</a><br>Description: IC MCU 32BIT ROMLESS 208LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S30FET100E</a><br>Description: IC MCU 32BIT ROMLESS 100TFBGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S50FET256,551</a><br>Description: IC MCU 32BIT ROMLESS 256LBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S57JBD208E</a><br>Description: IC MCU 32BIT 1MB FLASH 208LQFP     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1857JBD208E</a><br>Description: IC MCU 32BIT 1MB FLASH 208LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1857FET256,551</a><br>Description: IC MCU 32BIT 1MB FLASH 256LBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S50FET180E</a><br>Description: IC MCU 32BIT ROMLESS 180TFBGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1853JBD208E</a><br>Description: IC MCU 32BIT 512KB FLASH 208LQFP    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1850FET180,551</a><br>Description: IC MCU 32BIT ROMLESS 180TFBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1853FET256,551</a><br>Description: IC MCU 32BIT 512KB FLASH 256LBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S10FBD144E</a><br>Description: IC MCU 32BIT ROMLESS 144LQFP       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC1853JET256,551</a><br>Description: IC MCU 32BIT 512KB FLASH 256LBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">LPC18S10FET180E</a><br>Description: IC MCU 32BIT ROMLESS 180TFBGA      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |

Related keywords for LPC18S10FET100E

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