

NXP Semiconductors / Freescale

LPC1823JBD144E

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Part Number:        | LPC1823JBD144E                                   |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                   |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                 |
| Datasheets:         |                                                  |
| RoHS Status         | <div><div></div>Lead free / RoHS Compliant</div> |
| Stock Condition     | 9474 pcs stock                                   |
| Ship From           | Hong Kong                                        |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                            |

REQUEST FOR QUOTATION

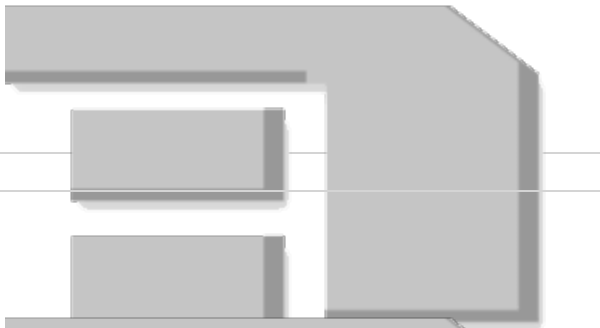
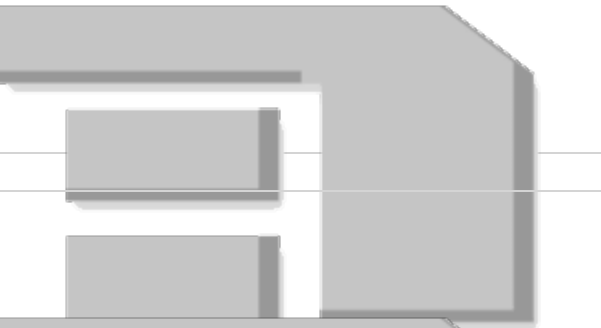
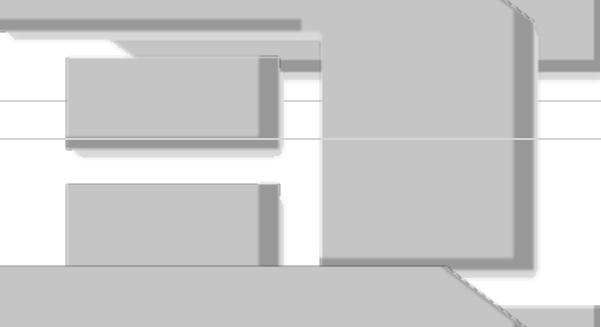
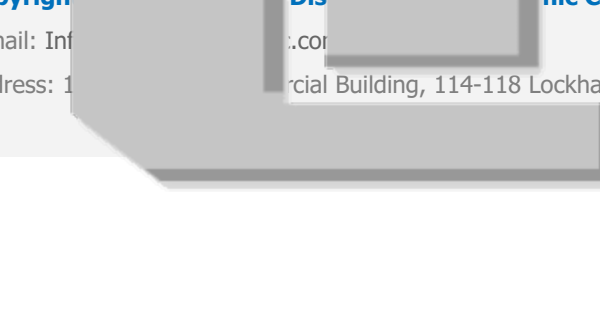
Specifications of LPC1823JBD144E

|                                  |                                                                                                  |
|----------------------------------|--------------------------------------------------------------------------------------------------|
| PART NUMBER                      | LPC1823JBD144E                                                                                   |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                       |
| QUANTITY AVAILABLE               | 9474 pcs                                                                                         |
| DATA SHEET                       |                                                                                                  |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.2 V ~ 3.6 V                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                 |
| SPEED                            | 180MHz                                                                                           |
| SERIES                           | LPC18xx                                                                                          |
| RAM SIZE                         | 104K x 8                                                                                         |
| PROGRAM MEMORY TYPE              | FLASH                                                                                            |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                 |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, Motor Control PWM, POR, PWM, WDT                               |
| PACKAGING                        | Tray                                                                                             |
| PACKAGE / CASE                   | 144-LQFP                                                                                         |
| OTHER NAMES                      | 935299788551                                                                                     |
| OSCILLATOR TYPE                  | Internal                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                               |
| NUMBER OF I/O                    | 83                                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                       |
| EEPROM SIZE                      | 16K x 8                                                                                          |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 LPC18xx Microcontroller IC 32-Bit 180MHz 512KB (512K x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 8x10b; D/A 1x10b                                                                             |
| CORE SIZE                        | 32-Bit                                                                                           |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                  |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, Microwire, SD, SPI, SSI, SSP, UART/USART, USB, USB OTG               |
| BASE PART NUMBER                 | LPC1823                                                                                          |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| LPC1823JBD144E               | LPC1823JBD144E Distributor        | LPC1823JBD144E Supplier  |
| LPC1823JBD144E Price         | LPC1823JBD144E Pictures           | LPC1823JBD144E Image     |
| LPC1823JBD144E PDF Datasheet | LPC1823JBD144E Download Datasheet | LPC1823JBD144E Datasheet |
| LPC1823JBD144E Stock         | Buy LPC1823JBD144E                | Buy LPC1823JBD144E       |
| LPC1823JBD144E               | Supplier                          | Distributor              |

Related Products

|                                                                                    |                                                                                                                                       |                                                                                      |                                                                                                                                      |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>LPC1822JBD144E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br>In stock: 10801 pcs<br><div>RFQ</div> |  | <b>LPC1822JET100E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 100BGA<br>In stock: 7226 pcs<br><div>RFQ</div>  |
|  | <b>LPC1825JBD144E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 768KB FLASH 144LQFP<br>In stock: 9173 pcs<br><div>RFQ</div>  |  | <b>LPC1825JET100E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 768KB FLASH 100BGA<br>In stock: 12095 pcs<br><div>RFQ</div> |
|  | <b>LPC1823JET100E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 512KB FLASH 100BGA<br>In stock: 7085 pcs<br><div>RFQ</div>   |  | <b>LPC1817JET100E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br>In stock: 7266 pcs<br><div>RFQ</div>  |
|  | <b>LPC1820FET100,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT ROMLESS 100TFBGA<br>In stock: 13928 pcs<br><div>RFQ</div> |  | <b>LPC1830FBD144,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT ROMLESS 144LQFP<br>In stock: 11262 pcs<br><div>RFQ</div> |
|  | <b>LPC1820FBD144,551</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT ROMLESS 144LQFP<br>In stock: 11646 pcs<br><div>RFQ</div>  |  | <b>LPC1827JBD144E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br>In stock: 7982 pcs<br><div>RFQ</div>   |
|  | <b>LPC1817JBD144E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 1MB FLASH 144LQFP<br>In stock: 7975 pcs<br><div>RFQ</div>    |  | <b>LPC1827JET100E</b><br>Manufacturers: NXP<br>Description: IC MCU 32BIT 1MB FLASH 100TFBGA<br>In stock: 10707 pcs<br><div>RFQ</div> |