



Image may be representation. See specifications for product details.

LPC1788FBD144,551

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | LPC1788FBD144,551                                                                                            |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                                                                             |
| Datasheets:         |  1.LPC1788FBD144,551.pdf    |
|                     |  2.LPC1788FBD144,551.pdf    |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

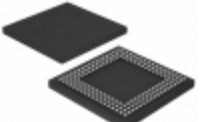
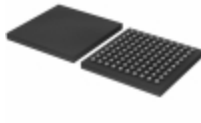
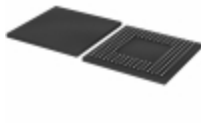
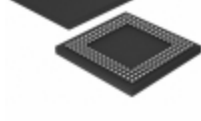
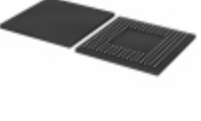
Specifications of LPC1788FBD144,551

|                                  |                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | LPC1788FBD144,551                                                                                           |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                              |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| DATA SHEET                       |  1.LPC1788FBD144,551.pdf |
|                                  |  2.LPC1788FBD144,551.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.4 V ~ 3.6 V                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                            |
| SPEED                            | 120MHz                                                                                                      |
| SERIES                           | LPC17xx                                                                                                     |
| RAM SIZE                         | 96K x 8                                                                                                     |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                       |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                            |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, Motor Control PWM, POR, PWM, WDT                                     |
| PACKAGING                        | Tray                                                                                                        |
| PACKAGE / CASE                   | 144-LQFP                                                                                                    |
| OTHER NAMES                      | 568-7576                                                                                                    |
|                                  | 935292637551<br>LPC1788FBD144,551-ND                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                           |
| NUMBER OF I/O                    | 109                                                                                                         |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                  |
| MANUFACTURER STANDARD LEAD TIME  | 12 Weeks                                                                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                  |
| EEPROM SIZE                      | 4K x 8                                                                                                      |
| DETAILED DESCRIPTION             | ARM® Cortex®-M3 LPC17xx Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-LQFP (20x20)            |
| DATA CONVERTERS                  | A/D 8x12b, D/A 1x10b                                                                                        |
| CORE SIZE                        | 32-Bit                                                                                                      |
| CORE PROCESSOR                   | ARM® Cortex®-M3                                                                                             |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I²C, Microwire, Memory Card, SPI, SSI, SSP, UART/USART, USB OTG                  |
| BASE PART NUMBER                 | LPC1788                                                                                                     |

Related Tags

|                                                  |                                         |                                                      |
|--------------------------------------------------|-----------------------------------------|------------------------------------------------------|
| NXP Semiconductors / Freescale LPC1788FBD144,551 | LPC1788FBD144,551 Distributor           | LPC1788FBD144,551 Supplier                           |
| LPC1788FBD144,551 Price                          | LPC1788FBD144,551 Pictures              | LPC1788FBD144,551 Image                              |
| LPC1788FBD144,551 PDF Datasheet                  | LPC1788FBD144,551 Download Datasheet    | LPC1788FBD144,551 Datasheet                          |
| LPC1788FBD144,551 Stock                          | Buy LPC1788FBD144,551                   | Buy NXP Semiconductors / Freescale LPC1788FBD144,551 |
| NXP Semiconductors / Freescale LPC1788FBD144,551 | NXP Semiconductors / Freescale Supplier | NXP Semiconductors / Freescale Distributor           |
| NXP Semiconductors / Freescale LPC1788FBD144,551 | NXP Semiconductors LPC1788FBD144,551    | Freescale LPC1788FBD144,551                          |
| Freescale Semiconductor - NXP LPC1788FBD144,551  | NXP USA Inc. LPC1788FBD144,551          |                                                      |

Related Products

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                      |
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|  <div><b>LPC1786FBD208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 208LQFP<br/>In stock: 9 pcs<br/><div>RFQ</div></div>     |  <div><b>LPC1788FET180,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 180BGA<br/>In stock: 557 pcs<br/><div>RFQ</div></div>  |
|  <div><b>LPC1810FET100,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT ROMLESS 100TFBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |  <div><b>LPC17KM99-BTLR</b><br/>Manufacturers: Mechatronics<br/>Description: EC FAN 162X55MM 90-264VAC<br/>In stock: Out stock<br/><div>RFQ</div></div>                           |
|  <div><b>LPC1788FBD208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>LPC1810FBD144,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT ROMLESS 144LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>LPC1778FET208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>LPC1785FBD208K</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 208LQFP<br/>In stock: Out stock<br/><div>RFQ</div></div>  |
|  <div><b>LPC1778FET180,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 180BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>LPC1788FET208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208BGA<br/>In stock: 543 pcs<br/><div>RFQ</div></div>  |
|  <div><b>LPC1785FBD208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 256KB FLASH 208LQFP<br/>In stock: 61 pcs<br/><div>RFQ</div></div>    |  <div><b>LPC1787FBD208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208LQFP<br/>In stock: 555 pcs<br/><div>RFQ</div></div> |