



Image may be representation. See specifications for product details.

LPC4088FBD208,551

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | LPC4088FBD208,551                                                                                            |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 208LQFP                                                                             |
|                     |  1.LPC4088FBD208,551.pdf    |
|                     |  2.LPC4088FBD208,551.pdf    |
|                     |  3.LPC4088FBD208,551.pdf    |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

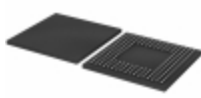
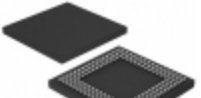
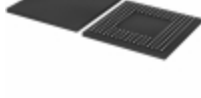
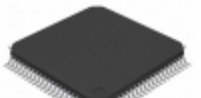
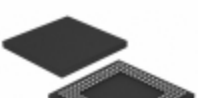
Specifications of LPC4088FBD208,551

|                                  |                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | LPC4088FBD208,551                                                                                                                                                                                                                                                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 208LQFP                                                                                                                                                                                                                                                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                |
| DATA SHEET                       |  1.LPC4088FBD208,551.pdf<br> 2.LPC4088FBD208,551.pdf<br> 3.LPC4088FBD208,551.pdf |
| VOLTAGE - SUPPLY (VCC/VDD)       | 2.4 V ~ 3.6 V                                                                                                                                                                                                                                                                                                                             |
| SUPPLIER DEVICE PACKAGE          | 208-LQFP (28x28)                                                                                                                                                                                                                                                                                                                          |
| SPEED                            | 120MHz                                                                                                                                                                                                                                                                                                                                    |
| SERIES                           | LPC40xx                                                                                                                                                                                                                                                                                                                                   |
| RAM SIZE                         | 96K x 8                                                                                                                                                                                                                                                                                                                                   |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                                                                                                                                                                                                                                                     |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                                                                                                                                                                                                                                                          |
| PERIPHERALS                      | Brown-out Detect/Reset, DMA, I²S, LCD, POR, PWM, WDT                                                                                                                                                                                                                                                                                      |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                      |
| PACKAGE / CASE                   | 208-LQFP                                                                                                                                                                                                                                                                                                                                  |
| OTHER NAMES                      | 568-9835<br>935297086551<br>LPC4088FBD208551                                                                                                                                                                                                                                                                                              |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                                                                                                                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                                                                                                                                                                                                                                                         |
| NUMBER OF I/O                    | 165                                                                                                                                                                                                                                                                                                                                       |
| MOISTURE SENSITIVITY LEVEL (MSL) | 2 (1 Year)                                                                                                                                                                                                                                                                                                                                |
| MANUFACTURER STANDARD LEAD TIME  | 12 Weeks                                                                                                                                                                                                                                                                                                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                |
| EEPROM SIZE                      | 4032 x 8                                                                                                                                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 LPC40xx Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 208-LQFP (28x28)                                                                                                                                                                                                                                          |
| DATA CONVERTERS                  | A/D 8x12b, D/A 1x10b                                                                                                                                                                                                                                                                                                                      |
| CORE SIZE                        | 32-Bit                                                                                                                                                                                                                                                                                                                                    |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                                                                                                                                                                                           |
| CONNECTIVITY                     | CANbus, EBI/EMI, Ethernet, I²C, IrDA, Microwire, QEI, SD, SPI, SSI, SSP, UART/USART, USB, USB OTG                                                                                                                                                                                                                                         |
| BASE PART NUMBER                 | LPC4088                                                                                                                                                                                                                                                                                                                                   |

Related Tags

|                                                  |                                         |                                                      |
|--------------------------------------------------|-----------------------------------------|------------------------------------------------------|
| NXP Semiconductors / Freescale LPC4088FBD208,551 | LPC4088FBD208,551 Distributor           | LPC4088FBD208,551 Supplier                           |
| LPC4088FBD208,551 Price                          | LPC4088FBD208,551 Pictures              | LPC4088FBD208,551 Image                              |
| LPC4088FBD208,551 PDF Datasheet                  | LPC4088FBD208,551 Download Datasheet    | LPC4088FBD208,551 Datasheet                          |
| LPC4088FBD208,551 Stock                          | Buy LPC4088FBD208,551                   | Buy NXP Semiconductors / Freescale LPC4088FBD208,551 |
| NXP Semiconductors / Freescale LPC4088FBD208,551 | NXP Semiconductors / Freescale Supplier | NXP Semiconductors / Freescale Distributor           |
| NXP Semiconductors / Freescale LPC4088FBD208,551 | NXP Semiconductors LPC4088FBD208,551    | Freescale LPC4088FBD208,551                          |
| Freescale Semiconductor - NXP LPC4088FBD208,551  | NXP USA Inc. LPC4088FBD208,551          |                                                      |

Related Products

|                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
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|  <div><b>LPC4078FET208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208BGA<br/>In stock: 193 pcs<br/><b>RFQ</b></div>  |  <div><b>LPC4078FET180,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 180BGA<br/>In stock: 189 pcs<br/><b>RFQ</b></div>  |
|  <div><b>LPC4078FBD208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208LQFP<br/>In stock: 178 pcs<br/><b>RFQ</b></div> |  <div><b>LPC4078FBD144,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 32 pcs<br/><b>RFQ</b></div>  |
|  <div><b>LPC4310FBD144,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT ROMLESS 144LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div>   |  <div><b>LPC4312JBD144E</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 50 pcs<br/><b>RFQ</b></div>     |
|  <div><b>LPC4088FET208,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 208BGA<br/>In stock: 506 pcs<br/><b>RFQ</b></div>  |  <div><b>LPC4078FBD80,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>LPC4088FBD144,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 50 pcs<br/><b>RFQ</b></div>  |  <div><b>LPC4088FET180,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 180BGA<br/>In stock: 189 pcs<br/><b>RFQ</b></div>  |
|  <div><b>LPC4310FET100,551</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT ROMLESS 100TFBGA<br/>In stock: 268 pcs<br/><b>RFQ</b></div>    |  <div><b>LPC4312JET100E</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 100BGA<br/>In stock: 260 pcs<br/><b>RFQ</b></div>     |

