

MCIMX233DJM4BR2



Part Number: [MCIMX233DJM4BR2](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX23 454MHZ 169MAPBGA

Data sheet:  [I.MX23 Applications Processor Manual](#)  
 [I.MX233 Fact Sheet](#)

RoHs Status: Lead free / RoHS Compliant

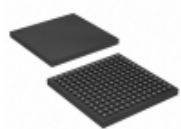
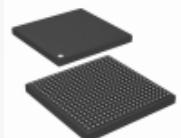
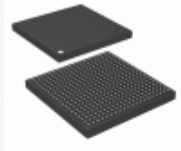
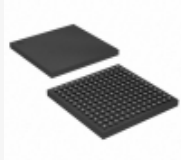
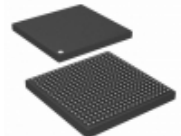
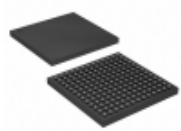
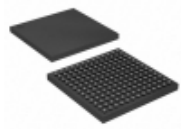
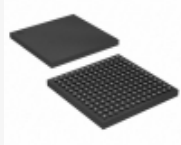
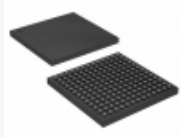
Ship From: Hong Kong

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Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                              |                                  |                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MCIMX233DJM4BR2                                                              | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU I.MX23 454MHZ 169MAPBGA                                               | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4926 pcs                                                                     | Data sheet                       | <a href="#">I.MX23 Applications Processor Manual</a><br><a href="#">I.MX233 Fact Sheet</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                    | Voltage - I/O                    | 2.0V, 2.5V, 2.7V, 3.0V, 3.3V                                                               |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USB 2.0 + PHY (1)                                                            | Supplier Device Package          | 169-MAPBGA (11x11)                                                                         |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 454MHz                                                                       | Series                           | i.MX23                                                                                     |
| Security Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cryptography, Hardware ID                                                    | SATA                             | -                                                                                          |
| RAM Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DRAM                                                                         | Packaging                        | Tape & Reel (TR)                                                                           |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 169-LFBGA                                                                    | Operating Temperature            | -10°C ~ 70°C (TA)                                                                          |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1 Core, 32-Bit                                                               | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                              |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                   | Graphics Acceleration            | No                                                                                         |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                            | Display & Interface Controllers  | LCD, Touchscreen                                                                           |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ARM926EJ-S Microprocessor IC i.MX23 1 Core, 32-Bit 454MHz 169-MAPBGA (11x11) | Core Processor                   | ARM926EJ-S                                                                                 |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Data; DCP                                                                    | Base Part Number                 | MCIMX233                                                                                   |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, SSP, UART                              |                                  |                                                                                            |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MCIMX233CJM4CR2</a><br>Description: IC MPU I.MX23 454MHZ 169MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX250DJM4AR2</a><br>Description: I.MX25 32-BIT MPU ARM926EJ-S CO | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX23WEVKJC</a><br>Description: KIT EVALUATION I.MX23             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX251AJM4</a><br>Description: IC MPU I.MX25 400MHZ 400MAPBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233DAG4C</a><br>Description: IC MPU I.MX23 454MHZ 128LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX23LCD</a><br>Description: MODULE LCD IMX233 4.3" WQVGA         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCI ENG KIT 01</a><br>Description: METAL COMPOSITE POWER INDUCTORS  | Manufacturers: <a href="#">KEMET</a>                          | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233CJM4C</a><br>Description: IC MPU I.MX23 454MHZ 169MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX250DJM4A</a><br>Description: IC MPU I.MX25 400MAPBGA           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX23LEVKJC</a><br>Description: BOARD DEV FOR I.MX23              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233DJM4B</a><br>Description: IC MPU I.MX23 454MHZ 169MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX-LVDS1</a><br>Description: DAUGHTER CARD LVDS FOR I.MX53       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233DJM4C</a><br>Description: IC MPU I.MX23 454MHZ 169MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233DJM4CR2</a><br>Description: IC MPU I.MX23 454MHZ 169MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX23LEVKJ</a><br>Description: KIT EVALUATION IMX233              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233CAG4C</a><br>Description: IC MPU I.MX23 454MHZ 128LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233DAG4B</a><br>Description: IC MPU I.MX23 454MHZ 128LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233CAG4B</a><br>Description: IC MPU I.MX23 454MHZ 128LQFP      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX23WEVKJ</a><br>Description: BOARD DEV FOR I.MX23               | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX233CJM4B</a><br>Description: IC MPU I.MX23 454MHZ 169MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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