

MCIMX7D2DVK12SD



Part Number: [MCIMX7D2DVK12SD](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: MPU I.MX 7D 1.2GHZ 12X12 MAPBGA

Data sheet:

RoHs Status: Lead free / RoHS Compliant

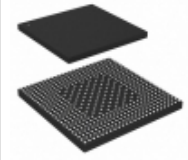
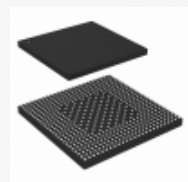
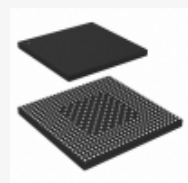
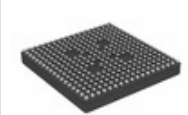
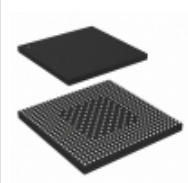
Ship From: Hong Kong

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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                 |                                  |                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MCIMX7D2DVK12SD                                                                 | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MPU I.MX 7D 1.2GHZ 12X12 MAPBGA                                                 | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5734 pcs                                                                        | Data sheet                       |                                                                 |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                       | Voltage - I/O                    | 1.8V, 3.3V                                                      |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USB 2.0 + PHY (1), USB 2.0 OTG + PHY (2)                                        | Speed                            | 1.2GHz                                                          |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | i.MX7D                                                                          | Security Features                | A-HAB, ARM TZ, CAAM, CSU, SJC, SNVS                             |
| SATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -                                                                               | RAM Controllers                  | LPDDR2, LPDDR3, DDR3, DDR3L                                     |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 935352043557                                                                    | Operating Temperature            | 0°C ~ 85°C (TJ)                                                 |
| Number of Cores/Bus Width                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2 Core, 32-Bit                                                                  | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                   |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lead free / RoHS Compliant                                                      | Graphics Acceleration            | No                                                              |
| Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10/100/1000 Mbps (2)                                                            | Display & Interface Controllers  | Keypad, LCD, MIPI                                               |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ARM® Cortex®-A7, ARM® Cortex®-M4 Microprocessor IC i.MX7D 2 Core, 32-Bit 1.2GHz | Core Processor                   | ARM® Cortex®-A7, ARM® Cortex®-M4                                |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Multimedia; NEON™ MPE                                                           | Additional Interfaces            | AC'97, CAN, eCSPI, I²C, I²S, MMC/SD/SDIO, PCIe, QSPI, SAI, UART |
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|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MCIMX6Y2DVM05AA</a><br>Description: I.MX 32-BIT MPU, ARM CORTEX-A7 C | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D3EVK10SD</a><br>Description: I.MX 7DUAL: REV 1.3              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D7DVK10SC</a><br>Description: EPDC, 2 ETH, CAN, 2 OTG 1 HSIC,  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6Y2DVM09AA</a><br>Description: I.MX 6ULL 900 MHZ CONSUMER W/O E | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6Y7DVM09AB</a><br>Description: I.MX6ULL ROM PERF ENHAN          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D3DVK10SC</a><br>Description: NO EPDC, 2 ETH, NO CAN, 2 OTG 1  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D2DVM12SD</a><br>Description: MPU I.MX 7D 1.2GHZ 19X19 MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D3DVK10SD</a><br>Description: I.MX 7DUAL: REV 1.3              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D5EVM10SD</a><br>Description: I.MX 7DUAL: REV 1.3              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D3EVK10SC</a><br>Description: NO EPDC, 2 ETH, NO CAN, 2 OTG 1  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D7DVK10SD</a><br>Description: MPU I.MX 7D 1GHZ MAPBGA          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D2DVK12SC</a><br>Description: I.MX 7D 1.2 GHZ 12X12 MAPBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6Y7DVK05AB</a><br>Description: I.MX6ULL ROM PERF ENHAN          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6Y2DVM09AB</a><br>Description: I.MX6ULL ROM PERF ENHAN          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6Y7DVK05AA</a><br>Description: I.MX 32-BIT MPU ARM CORTEX-A7 C  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6Y2DVM05AAR</a><br>Description: I.MX 32-BIT MPU ARM CORTEX-A7 C | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX7D5EVM10SC</a><br>Description: NO EPDC 2 ETH CAN 2 OTG 1 HSIC P | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6Y2DVM05AB</a><br>Description: I.MX6ULL ROM PERF ENHAN          | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MCIMX6Y7DVM09AA</a><br>Description: I.MX 6ULL 900 MHZ CONSUMER WITH  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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