

Image may be representation.
See specifications for product details.



MCIMX6L2DVN10AB

| | |
|--------------------------|--|
| Manufacturer Part Number | MCIMX6L2DVN10AB |
| Manufacturer | NXP Semiconductors |
| Allelco Part Number | 32D-MCIMX6L2DVN10AB |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | IC MPU I.MX6SL 1.0GHZ 432MAPBGA |
| Package | 432-TFBGA |
| Data sheet | i.MX 6 Series Fact Sheet.pdf MCIMX6LxDVN10xx, MCIMX6LxEVN10xx.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

MCIMX6L2DVN10AB - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX6L2DVN10AB datasheet/specifications on AllelcoElec.com.
Request a quote for MCIMX6L2DVN10AB, please send us email: info@allelco.com

Specifications

MCIMX6L2DVN10AB Tech Specifications
MCIMX6L2DVN10AB - NXP USA Inc. technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|-------------------------|---|---------------------------------|---|
| Manufacturer | NXP Semiconductors | Operating Temperature | 0°C ~ 95°C (TJ) |
| Voltage - I/O | 1.2V, 1.8V, 3.0V | Number of Cores/Bus Width | 1 Core, 32-Bit |
| USB | USB 2.0 + PHY (3) | Mounting Type | Surface Mount |
| Supplier Device Package | 432-MAPBGA (13x13) | Graphics Acceleration | Yes |
| Speed | 1.0GHz | Ethernet | 10/100Mbps (1) |
| Series | i.MX6SL | Display & Interface Controllers | Keypad, LCD |
| Security Features | ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection | Core Processor | ARM® Cortex®-A9 |
| SATA | - | Co-Processors/DSP | Multimedia; NEON™ SIMD |
| RAM Controllers | LPDDR2, LVDDR3, DDR3 | Base Product Number | MCIMX6 |
| Package / Case | 432-TFBGA | Additional Interfaces | AC97, I ² C, I ² S, MMC/SD/SDIO, SPI, SSI, UART |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCIMX6L2DVN10AB

| Product Attribute | | | | |
|---------------------------------|---|---|---|--|
| Part Number | MCIMX6L2DVN10AB | MCIMX6L2DVN10AA | MCIMX6L3DVN10AB | MCIMX6G2DVM05AB |
| Manufacturer | NXP USA Inc. | Freescale Semiconductor | Freescale Semiconductor | NXP USA Inc. |
| Speed | 1.0GHz | 1.0GHz | 1GHz | 528MHz |
| Core Processor | ARM® Cortex®-A9 | ARM® Cortex®-A9 | ARM® Cortex®-A9 | ARM® Cortex®-A7 |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Package | Tray | Tray | Bulk | Tray |
| Package / Case | 432-TFBGA | 432-TFBGA | 432-TFBGA | 289-LFBGA |
| Display & Interface Controllers | Keypad, LCD | Keypad, LCD | LCD | LCD, LVDS |
| Additional Interfaces | AC97, I ² C, I ² S, MMC/SD/SDIO, SPI, SSI, UART | AC97, I ² C, I ² S, MMC/SD/SDIO, SPI, SSI, UART | AC97, I ² C, I ² S, MMC/SD/SDIO, SPI, SSI, UART | CAN, EBI/EMI, I ² C, I ² S, MMC/SD/SDIO, QSPI, SAI, SPI, SSI, S/PDIF, UART |
| Supplier Device Package | 432-MAPBGA (13x13) | 432-MAPBGA (13x13) | 432-MAPBGA (13x13) | 289-MAPBGA (14x14) |
| Ethernet | 10/100Mbps (1) | 10/100Mbps (1) | 10/100Mbps (1) | 10/100Mbps (2) |
| Security Features | ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection | ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection | ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection | ARM TZ, A-HAB, CAAM, CSU, SJC, SNVS |
| Series | i.MX6SL | i.MX6SL | i.MX6 | i.MX6UL |
| Operating Temperature | 0°C ~ 95°C (TJ) | 0°C ~ 95°C (TJ) | 0°C ~ 95°C (TJ) | 0°C ~ 95°C (TJ) |
| SATA | - | - | - | - |
| Graphics Acceleration | Yes | Yes | Yes | No |
| Base Product Number | MCIMX6 | MCIMX6 | - | MCIMX6 |
| RAM Controllers | LPDDR2, LVDDR3, DDR3 | LPDDR2, LVDDR3, DDR3 | DDR3, LPDDR2 | LPDDR2, DDR3, DDR3L |
| USB | USB 2.0 + PHY (3) | USB 2.0 + PHY (3) | USB 2.0 + PHY (2), USB 2.0 OTG + PHY (1) | USB 2.0 + PHY (2) |
| Voltage - I/O | 1.2V, 1.8V, 3.0V | 1.2V, 1.8V, 3.0V | 1.2V, 1.8V, 3V | 1.2V, 1.35V, 1.5V, 1.8V, 2.5V, 2.8V, 3.3V |
| Number of Cores/Bus Width | 1 Core, 32-Bit | 1 Core, 32-Bit | 1 Core, 32-Bit | 1 Core, 32-Bit |
| Co-Processors/DSP | Multimedia; NEON™ SIMD | Multimedia; NEON™ SIMD | Multimedia; NEON™ SIMD | Multimedia; NEON™ SIMD |

MCIMX6L2DVN10AB Datasheet PDF

Download MCIMX6L2DVN10AB pdf datasheets and NXP USA Inc. documentation for MCIMX6L2DVN10AB - NXP USA Inc..

Datasheets

[i.MX 6 Series Fact Sheet.pdf](#)

[MCIMX6LxDVN10xx, MCIMX6LxEVN10xx.pdf](#)

PCN Packaging



All Dev Label Update 15/Dec/2020.pdf



Mult Dev Pkg Seal 15/Dec/2020.pdf

Environmental Information



NXP USA Inc REACH.pdf



NXP USA Inc RoHS Cert.pdf

PCN Assembly/Origin



Mult Dev A/T Chg 20/Apr/2021.pdf

Errata



i.MX 6 Chip Errata.pdf

PCN Design/Specification



MCIMX6LYYY 19/Oct/2017.pdf

Customers Also Interested in

Recommended Products



MCIMX6L2DVN10AA

Freescale Semiconductor
RISC MICROPROCESSOR, CMOS



MCIMX6L3DVN10AB

Freescale Semiconductor
MCIMX6L - i.MX 6 series 32-bit M



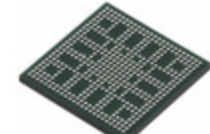
MCIMX6G2DVM05AB

NXP USA Inc.
IC MPU I.MC6UL 528MHZ 289BGA



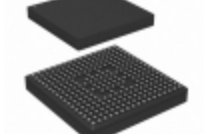
MCIMX6G3DVK05AA

Freescale Semiconductor
I.MX 32 BIT MPU, ARM CORTEX-A7 C



MCIMX6L2EVN10AC

NXP USA Inc.
I.MX 6SL ROM PERF ENHAN



MCIMX6G3DVK05AA

NXP USA Inc.
IC MPU I.MC6UL 528MHZ 272BGA



MCIMX6L3EVN10AB

Freescale Semiconductor
MCIMX6L - i.MX 6 series 32-bit M



MCIMX6L3EVN10AA

NXP USA Inc.
IC MPU I.MX6SL 1.0GHZ 432MAPBGA



MCIMX6L3EVN10AA

Freescale Semiconductor
RISC MICROPROCESSOR, CMOS



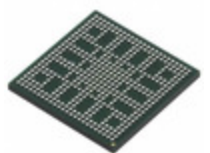
MCIMX6L2EVN10AB

NXP USA Inc.
IC MPU I.MX6SL 1.0GHZ 432MAPBGA



MCIMX6G3DVM05AB

NXP USA Inc.
IC MPU I.MC6UL 528MHZ 289BGA



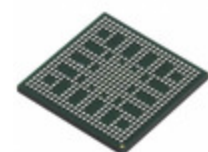
MCIMX6L3DVN10AB

NXP USA Inc.
IC MPU I.MX6SL 1.0GHZ 432MAPBGA



MCIMX6G3DVM05AA

NXP USA Inc.
IC MPU I.MC6UL 528MHZ 289BGA



MCIMX6L2DVN10AA

NXP USA Inc.
IC MPU I.MX6SL 1.0GHZ 432MAPBGA



MCIMX6G3CVM05AA

NXP USA Inc.
IC MPU I.MC6UL 528MHZ 289BGA



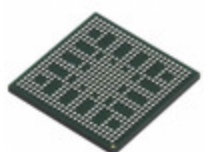
MCIMX6G3CVM05AB

NXP USA Inc.
IC MPU I.MX6UL 289BGA



MCIMX6G3DVM05AA

Freescale Semiconductor
I.MX 32 BIT MPU, ARM CORTEX-A7 C



MCIMX6L3EVN10AB

NXP USA Inc.
IC MPU I.MX6SL 1.0GHZ 432MAPBGA

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

| Region | Country | Logistic Time(Day) |
|-------------|----------------|--------------------|
| America | United States | 5 |
| | Brazil | 7 |
| Europe | Germany | 5 |
| | United Kingdom | 4 |
| Oceania | Australia | 6 |
| | New Zealand | 7 |
| Asia | India | 6 |
| | Japan | 7 |
| Middle East | Israel | 6 |

DHL & FedEx Shipment Charges Reference

| Shipment charges(KG) | Reference DHL(USD\$) |
|----------------------|----------------------|
| 0.00kg-1.00kg | USD\$60.00 |
| 1.00kg-2.00kg | USD\$70.00 |
| 2.00kg-3.00kg | USD\$80.00 |

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.

Certifications & Memberships





Phone

+00852 9146 4856



Email

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