

Image may be representation.
See specifications for product details.



MCIMX6S5DVM10AB

Manufacturer Part Number **MCIMX6S5DVM10AB**

Manufacturer **NXP Semiconductors**

Allelco Part Number **32D-MCIMX6S5DVM10AB**

ECAD Model Request Free CAD Models

Parts Description **IC MPU I.MX6S 1.0GHZ 624MAPBGA**

Package **624-LFBGA**

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

[i.MX 6Solo/6DualLite Appl.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

MCIMX6S5DVM10AB - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX6S5DVM10AB datasheet/specifications on AllelcoElec.com.
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Specifications

MCIMX6S5DVM10AB Tech Specifications

MCIMX6S5DVM10AB - 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	1.8V, 2.5V, 2.8V, 3.3V	Number of Cores/Bus Width	1 Core, 32-Bit
USB	USB 2.0 + PHY (4)	Mounting Type	Surface Mount
Supplier Device Package	624-MAPBGA (21x21)	Graphics Acceleration	Yes
Speed	1.0GHz	Ethernet	10/100/1000Mbps (1)
Series	i.MX6S	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	624-LFBGA	Additional Interfaces	CAN, I ² C, I ² S, MMC/SD/SDIO, SAI, SPI, SSI, UART
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCIMX6S5DVM10AB

Product Attribute				
Part Number	MCIMX6S5DVM10AB	MCIMX6S5DVM10AB	MCIMX6S5EVM10ADR	MCIMX6S5DVM10AC
Manufacturer	NXP USA Inc.	Freescalo Semiconductor	NXP USA Inc.	NXP USA Inc.
Supplier Device Package	624-MAPBGA (21x21)	624-MAPBGA (21x21)	624-MAPBGA (21x21)	624-MAPBGA (21x21)
Speed	1.0GHz	1.0GHz	1GHz	1.0GHz
Package	Tray	Bulk	Tape & Reel (TR)	Tray
USB	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)
Co-Processors/DSP	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD
Series	i.MX6S	i.MX6S	i.MX6S	i.MX6S
Display & Interface Controllers	Keypad, LCD	Keypad, LCD	Keypad, LCD	Keypad, LCD
SATA	-	-	-	-
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, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection
Core Processor	ARM® Cortex®-A9	ARM® Cortex®-A9	ARM® Cortex®-A9	ARM® Cortex®-A9
Additional Interfaces	CAN, I ² C, I ² S, MMC/SD/SDIO, SAI, SPI, SSI, UART	CAN, I ² C, I ² S, MMC/SD/SDIO, SAI, SPI, SSI, UART	CAN, I ² C, I ² S, MMC/SD/SDIO, SAI, SPI, SSI, UART	CAN, I ² C, I ² S, MMC/SD/SDIO, SAI, SPI, SSI, UART
Voltage - I/O	1.8V, 2.5V, 2.8V, 3.3V	1.8V, 2.5V, 2.8V, 3.3V	1.8V, 2.5V, 2.8V, 3.3V	1.8V, 2.5V, 2.8V, 3.3V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Controllers	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3
Operating Temperature	0°C ~ 95°C (TJ)	0°C ~ 95°C (TJ)	-20°C ~ 105°C (TJ)	0°C ~ 95°C (TJ)
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Graphics Acceleration	Yes	Yes	Yes	Yes
Base Product Number	MCIMX6	MCIMX6	MCIMX6	MCIMX6
Package / Case	624-LFBGA	624-LFBGA	624-LFBGA	624-LFBGA
Ethernet	10/100/1000Mbps (1)	10/100/1000Mbps (1)	10/100/1000Mbps (1)	10/100/1000Mbps (1)

MCIMX6S5DVM10AB Datasheet PDF

Download MCIMX6S5DVM10AB pdf datasheets and NXP USA Inc. documentation for MCIMX6S5DVM10AB - NXP USA Inc..


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All Dev Label Update 15/Dec/2020.pdf

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Environmental Information

 NXP USA Inc REACH.pdf

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 2.73KHz.pdf

Errata

 i.MX 6Solo/6DualLite Errata.pdf

HTML Datasheet

 i.MX 6 Series Fact Sheet.pdf

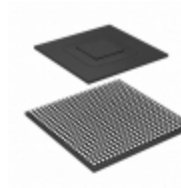
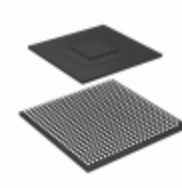
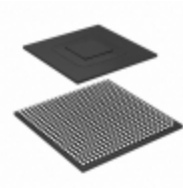
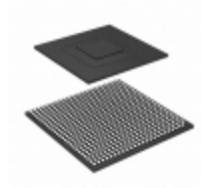
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 Manual Updates 14/Jul/2019.pdf

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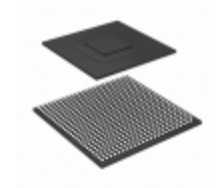
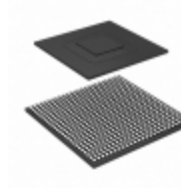
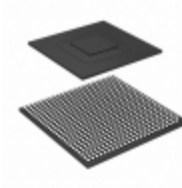
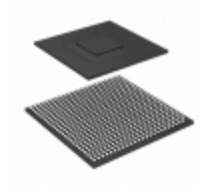
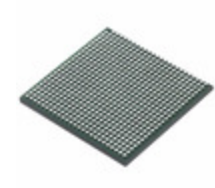
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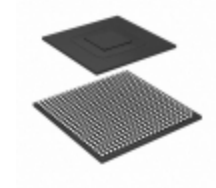
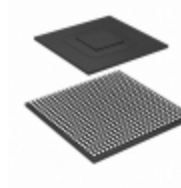
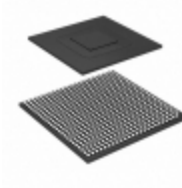
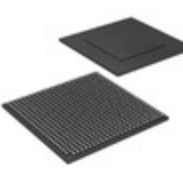
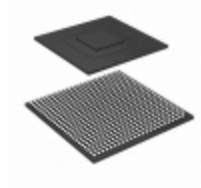
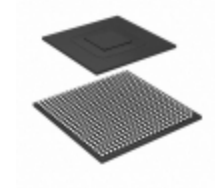
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NXP USA Inc.
IC MPU I.MX6S 800MHZ 624MAPBGA

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
	Italy	5
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.




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Management


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Fast Sourcing &
Delivery

Contact us if you have any questions.


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Certifications & Memberships





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