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See specifications for product details.



MCIMX6U6AVM08AB

Manufacturer Part Number	MCIMX6U6AVM08AB
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MCIMX6U6AVM08AB
ECAD Model	Request Free CAD Models
Parts Description	IC MPU I.MX6DL 800MHZ 624MAPBGA
Package	624-LFBGA
Data sheet	i.MX 6 Series Fact Sheet.pdf i.MX 6Solo/6DualLite Appl.pdf MCIMX6(S,U)yAyyyyyB.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCIMX6U6AVM08AB - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX6U6AVM08AB datasheet/specifications on AllelcoElec.com.
Request a quote for MCIMX6U6AVM08AB, please send us email: info@allelco.com

Specifications

MCIMX6U6AVM08AB Tech Specifications
MCIMX6U6AVM08AB - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	-40°C ~ 125°C (TJ)
Voltage - I/O	1.8V, 2.5V, 2.8V, 3.3V	Number of Cores/Bus Width	2 Core, 32-Bit
USB	USB 2.0 + PHY (4)	Mounting Type	Surface Mount
Supplier Device Package	624-MAPBGA (21x21)	Graphics Acceleration	Yes
Speed	800MHz	Ethernet	10/100/1000Mbps (1)
Series	i.MX6DL	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. MCIMX6U6AVM08AB

Product Attribute				
Part Number	MCIMX6U6AVM08AB	MCIMX6U5EVM10AB	MCIMX6U5EVM10AD	MCIMX6U7CVM08AB
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Display & Interface Controllers	Keypad, LCD	Keypad, LCD	Keypad, LCD	Keypad, LCD
Number of Cores/Bus Width	2 Core, 32-Bit	2 Core, 32-Bit	2 Core, 32-Bit	2 Core, 32-Bit
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
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
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
Operating Temperature	-40°C ~ 125°C (TJ)	-20°C ~ 105°C (TJ)	-20°C ~ 105°C (TJ)	-40°C ~ 105°C (TA)
Package / Case	624-LFBGA	624-LFBGA	624-LFBGA	624-LFBGA
Core Processor	ARM® Cortex®-A9	ARM® Cortex®-A9	ARM® Cortex®-A9	ARM® Cortex®-A9
USB	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)
Supplier Device Package	624-MAPBGA (21x21)	624-MAPBGA (21x21)	624-MAPBGA (21x21)	624-MAPBGA (21x21)
Graphics Acceleration	Yes	Yes	Yes	Yes
Package	Tray	Tray	Tray	Tray
Speed	800MHz	1.0GHz	1.0GHz	800MHz
RAM Controllers	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3
Series	i.MX6DL	i.MX6DL	i.MX6DL	i.MX6DL
Co-Processors/DSP	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD
Base Product Number	MCIMX6	MCIMX6	MCIMX6	MCIMX6
Ethernet	10/100/1000Mbps (1)	10/100/1000Mbps (1)	10/100/1000Mbps (1)	10/100/1000Mbps (1)
SATA	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

MCIMX6U6AVM08AB Datasheet PDF

Download MCIMX6U6AVM08AB pdf datasheets and NXP USA Inc. documentation for MCIMX6U6AVM08AB - NXP USA Inc..


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

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PCN Assembly/Origin

 2.73KHz.pdf

Errata

 i.MX 6Solo/6DualLite Errata.pdf

HTML Datasheet

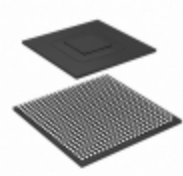
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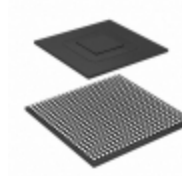
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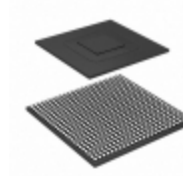
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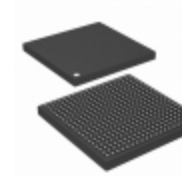
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NXP USA Inc.
IC MPU I.MX6DL 1.0GHZ 624MAPBGA



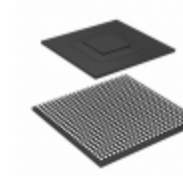
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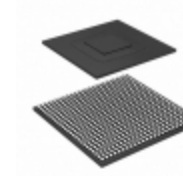
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IC MPU I.MX6DL 800MHZ 624MAPBGA



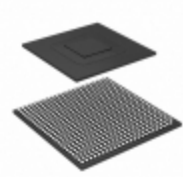
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I.MX6 32BIT MPU 800MHZ 400MAPBGA



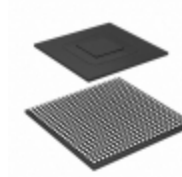
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IC MPU I.MX6DL 1.0GHZ 624MAPBGA



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



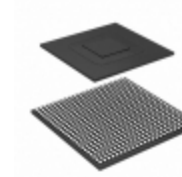
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IC MPU I.MX6DL 800MHZ 624MAPBGA



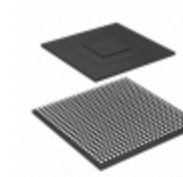
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IC MPU I.MX6DL 1.0GHZ 624MAPBGA



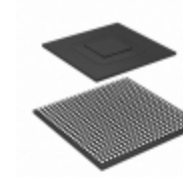
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Freescale Semiconductor
I.MX 6 SERIES 32 BIT MPU, DUAL A



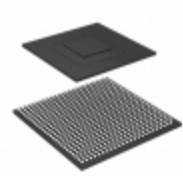
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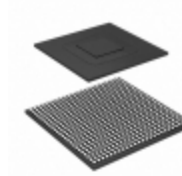
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NXP USA Inc.
IC MPU I.MX6DL 800MHZ 624MAPBGA



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NXP USA Inc.
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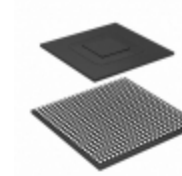
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NXP USA Inc.
I.MX6 DUALLITE R PERFEN



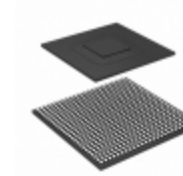
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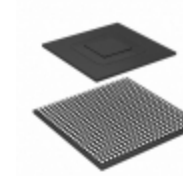
MCIMX6U5EVM10AB
Freescale Semiconductor
MCIMX6U5EVM10AB - I.MX 6 32-BIT



MCIMX6U6AVM08ACR
NXP USA Inc.
IC MPU I.MX6DL 800MHZ 624MAPBGA



MCIMX6U6AVM10AD
NXP USA Inc.
IC MPU I.MX6DL 1GHZ 624MAPBGA



MCIMX6U5DVM10AC
NXP USA Inc.
IC MPU I.MX6DL 1.0GHZ 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.



Your Faithful Supply Chain Partner -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
+00852 9146 4856
-  Email
info@allelco.com

Certifications & Memberships



View More

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Alleco.com