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See specifications for product details.



MCIMX6S6AVM08AB

Manufacturer Part Number	MCIMX6S6AVM08AB
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MCIMX6S6AVM08AB
ECAD Model	Request Free CAD Models
Parts Description	IC MPU I.MX6S 800MHZ 624MAPBGA
Package	624-LFBGA
Data sheet	i.MX 6 Series Fact Sheet.pdf MCIMX6(S,U)yAyyyyyB.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCIMX6S6AVM08AB - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX6S6AVM08AB datasheet/specifications on AllelcoElec.com.
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Specifications

MCIMX6S6AVM08AB Tech Specifications
MCIMX6S6AVM08AB - 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	1 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.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. MCIMX6S6AVM08AB

Product Attribute				
Part Number	MCIMX6S6AVM08AB	MCIMX6S5DVM10AB	MCIMX6S5EVM10ACR	MCIMX6S5EVM10AC
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
RAM Controllers	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3	LPDDR2, LVDDR3, DDR3
USB	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)	USB 2.0 + PHY (4)
Graphics Acceleration	Yes	Yes	Yes	Yes
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
Display & Interface Controllers	Keypad, LCD	Keypad, LCD	Keypad, LCD	Keypad, LCD
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	624-MAPBGA (21x21)	624-MAPBGA (21x21)	624-MAPBGA (21x21)	624-MAPBGA (21x21)
Package	Tray	Tray	Tape & Reel (TR)	Tray
Speed	800MHz	1.0GHz	1.0GHz	1.0GHz
Co-Processors/DSP	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD	Multimedia; NEON™ SIMD
Package / Case	624-LFBGA	624-LFBGA	624-LFBGA	624-LFBGA
Base Product Number	MCIMX6	MCIMX6	MCIMX6	MCIMX6
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
Series	i.MX6S	i.MX6S	i.MX6S	i.MX6S
SATA	-	-	-	-
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
Ethernet	10/100/1000Mbps (1)	10/100/1000Mbps (1)	10/100/1000Mbps (1)	10/100/1000Mbps (1)
Operating Temperature	-40°C ~ 125°C (TJ)	0°C ~ 95°C (TJ)	-20°C ~ 105°C (TJ)	-20°C ~ 105°C (TJ)

MCIMX6S6AVM08AB Datasheet PDF

Download MCIMX6S6AVM08AB pdf datasheets and NXP USA Inc. documentation for MCIMX6S6AVM08AB - NXP USA Inc..

Datasheets

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

[MCIMX6\(S,U\)yAyyyyyB.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

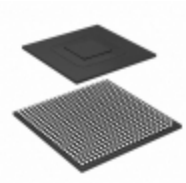
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Errata

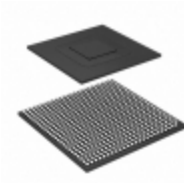
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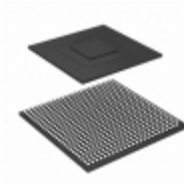
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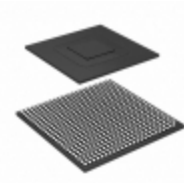
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NXP USA Inc.
IC MPU I.MX6S 1.0GHZ 624MAPBGA



MCIMX6S5EVM10ACR
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IC MPU I.MX6S 1.0GHZ 624MAPBGA



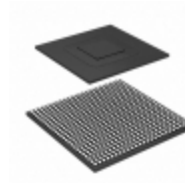
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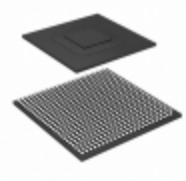
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IC MPU I.MX6S 800MHZ 624MAPBGA



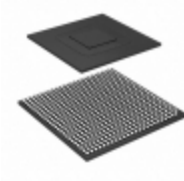
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I.MX 6 SERIES 32-BIT MPU, ARM CO



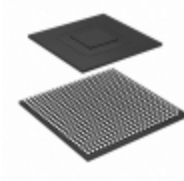
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IC MPU I.MX6S 1.0GHZ 624MAPBGA



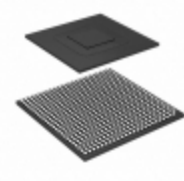
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I.MX 6S ROM PERF ENHAN



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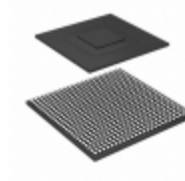
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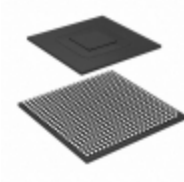
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Freescale Semiconductor
I.MX 6 SERIES 32 BIT MPU, ARM CO



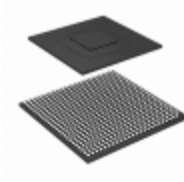
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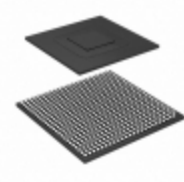
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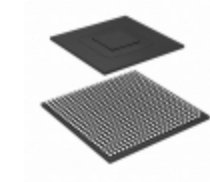
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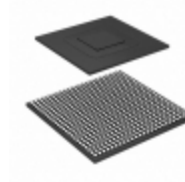
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IC MPU I.MX6S 800MHZ 624MAPBGA



MCIMX6S8DVM10AC
NXP USA Inc.
IC MPU I.MX6S 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

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