

Image may be representation.  
See specifications for product details.



## MCIMX233DJM4C

Manufacturer Part Number	<b>MCIMX233DJM4C</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MCIMX233DJM4C
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MPU I.MX23 454MHZ 169MAPBGA
Package	169-LFBGA
Data sheet	<a href="#">I.MX Family Comparison Table.pdf</a> <a href="#">I.MX233 Fact Sheet.pdf</a> <a href="#">I.MX23.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

MCIMX233DJM4C - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX233DJM4C datasheet/specifications on AllelcoElec.com.  
Request a quote for MCIMX233DJM4C, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

MCIMX233DJM4C Tech Specifications

MCIMX233DJM4C - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	-10°C ~ 70°C (TA)
Voltage - I/O	2.0V, 2.5V, 2.7V, 3.0V, 3.3V	Number of Cores/Bus Width	1 Core, 32-Bit
USB	USB 2.0 + PHY (1)	Mounting Type	Surface Mount
Supplier Device Package	169-MAPBGA (11x11)	Graphics Acceleration	No
Speed	454MHz	Ethernet	-
Series	i.MX23	Display & Interface Controllers	LCD, Touchscreen
Security Features	Cryptography, Hardware ID	Core Processor	ARM926EJ-S
SATA	-	Co-Processors/DSP	Data; DCP
RAM Controllers	DRAM	Base Product Number	MCIMX233
Package / Case	169-LFBGA	Additional Interfaces	I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD/SDIO, SAI, SPI, SSI, SSP, UART
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCIMX233DJM4C

Product Attribute				
Part Number	MCIMX233DJM4C	<a href="#">MCIMX257CJM4AR2</a>	<a href="#">MCIMX251AJM4A</a>	<a href="#">MCIMX233DJM4B</a>
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Supplier Device Package	169-MAPBGA (11x11)	400-LFBGA (17x17)	400-LFBGA (17x17)	169-MAPBGA (11x11)
Voltage - I/O	2.0V, 2.5V, 2.7V, 3.0V, 3.3V	2.0V, 2.5V, 2.7V, 3.0V, 3.3V	2.0V, 2.5V, 2.7V, 3.0V, 3.3V	2.0V, 2.5V, 2.7V, 3.0V, 3.3V
Graphics Acceleration	No	No	No	No
Ethernet	-	10/100Mbps (1)	10/100Mbps (1)	-
Operating Temperature	-10°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-10°C ~ 70°C (TA)
Series	i.MX23	i.MX25	i.MX25	i.MX23
Speed	454MHz	400MHz	400MHz	454MHz
Security Features	Cryptography, Hardware ID	-	Boot Security, Cryptography, Secure Fusebox, Secure JTAG, Secure Memory, Tamper Detection	Cryptography, Hardware ID
SATA	-	-	-	-
USB	USB 2.0 + PHY (1)	USB 2.0 + PHY (2)	USB 2.0 + PHY (2)	USB 2.0 + PHY (1)
Package	Tray	Tape & Reel (TR)	Tray	Tray
RAM Controllers	DRAM	LPDDR, DDR, DDR2	LPDDR, DDR, DDR2	DRAM
Package / Case	169-LFBGA	400-LFBGA	400-LFBGA	169-LFBGA
Base Product Number	MCIMX233	MCIMX257	MCIMX251	MCIMX233
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Additional Interfaces	I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD/SDIO, SAI, SPI, SSI, SSP, UART	CAN, I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD/SDIO, SAI, SPI, SSI, SSP, UART	CAN, I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD/SDIO, SAI, SPI, SSI, SSP, UART	I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD/SDIO, SAI, SPI, SSI, SSP, UART
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Display & Interface Controllers	LCD, Touchscreen	Keypad, LCD, Touchscreen	Keypad	LCD, Touchscreen
Co-Processors/DSP	Data; DCP	-	-	Data; DCP
Core Processor	ARM926EJ-S	ARM926EJ-S	ARM926EJ-S	ARM926EJ-S

## MCIMX233DJM4C Datasheet PDF

Download MCIMX233DJM4C pdf datasheets and NXP USA Inc. documentation for MCIMX233DJM4C - NXP USA Inc..

### Datasheets



[I.MX Family Comparison Table.pdf](#)



[I.MX233 Fact Sheet.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 Site Chgs 18/Dec/2020.pdf

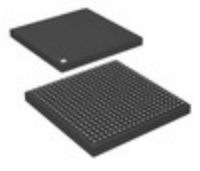
## HTML Datasheet



I.MX23.pdf

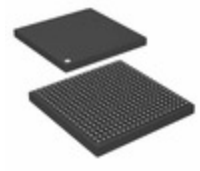
## Customers Also Interested in

### Recommended Products



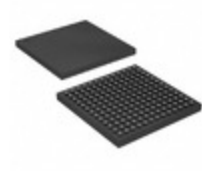
**MCIMX257CJM4AR2**

NXP USA Inc.  
I.MX25 32-BIT MPU ARM926EJ-S CO



**MCIMX251AJM4A**

NXP USA Inc.  
IC MPU I.MX25 400MHZ 400MAPBGA



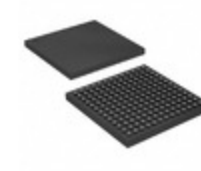
**MCIMX233DJM4B**

Freescale Semiconductor  
MICROPROCESSOR, CMOS, PBGA169



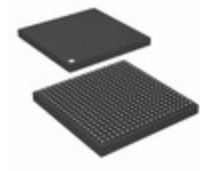
**MCIMX257CJM4A**

Freescale Semiconductor  
I.MX25 32-BIT MICROPROCESSOR, AR



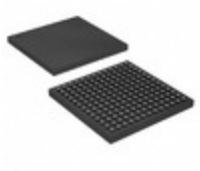
**MCIMX233CJM4C**

NXP USA Inc.  
IC MPU I.MX23 454MHZ 169MAPBGA



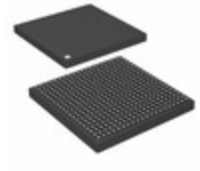
**MCIMX253DJM4A**

NXP USA Inc.  
IC MPU I.MX25 400MHZ 400MAPBGA



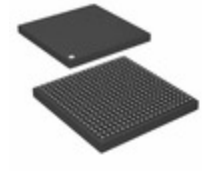
**MCIMX233DJM4B**

NXP USA Inc.  
ARM926EJ-S MICROPROCESSOR IC I,M



**MCIMX253CJM4A**

NXP USA Inc.  
IC MPU I.MX25 400MHZ 400MAPBGA



**MCIMX250DJM4A**

NXP USA Inc.  
IC MPU I.MX25 400MAPBGA



**MCIMX253CJM4A**

Freescale Semiconductor  
I.MX25 32-BIT MICROPROCESSOR, AR



**MCIMX255AJM4A**

Freescale Semiconductor  
I.MX25 32-BIT MICROPROCESSOR, AR

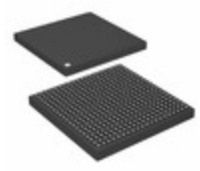


**MCI1608HQ6N8JA**



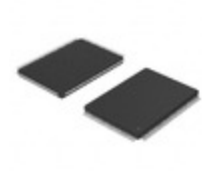
**MCI5256-2.8YM5**

Micrel / Microchip Technology



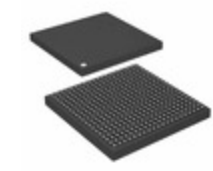
**MCIMX257CJM4A**

NXP USA Inc.  
IC MPU I.MX25 400MHZ 400MAPBGA



**MCIMX233CAG4C**

NXP USA Inc.  
IC MPU I.MX23 454MHZ 128LQFP



**MCIMX255AJM4A**

NXP USA Inc.  
IC MPU I.MX25 400MHZ 400MAPBGA



**MCI1608-1R0K**



**MCIMX233CJM4C**

Freescale Semiconductor  
I.MX23 32-BIT MICROPROCESSOR, AR

## 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 Alleco 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@alleco.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](mailto:info@Alleco.com)