



Image may be representation.
See specifications for product details.



MIMX8MM6CVTKZAA

Manufacturer Part Number	MIMX8MM6CVTKZAA
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MIMX8MM6CVTKZAA
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MPU I.MX 8M MINI QUAD BGA
Package	486-LFBGA, FCBGA
Data sheet	i.MX 8M Mini Appl Processor Fact Sheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MIMX8MM6CVTKZAA - NXP USA Inc..New Original in Stock. Download Linear Technology MIMX8MM6CVTKZAA datasheet/specifications on AllelcoElec.com.
Request a quote for MIMX8MM6CVTKZAA, please send us email: info@allelco.com

Specifications

MIMX8MM6CVTKZAA Tech Specifications
MIMX8MM6CVTKZAA - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	-40°C ~ 105°C (TJ)
Voltage - I/O	-	Number of Cores/Bus Width	4 Core, 64-Bit
USB	USB 2.0 + PHY (2)	Mounting Type	Surface Mount
Supplier Device Package	486-LFBGA (14x14)	Graphics Acceleration	Yes
Speed	1.6GHz	Ethernet	GbE
Series	i.MX8MM	Display & Interface Controllers	MIPI-DSI
Security Features	ARM TZ, CAAM, HAB, OCRAM, RDC, SJC, SNVS	Core Processor	ARM® Cortex®-A53
SATA	-	Co-Processors/DSP	ARM® Cortex®-M4
RAM Controllers	DDR3L, DDR4, LPDDR4	Base Product Number	MIMX8
Package / Case	486-LFBGA, FCBGA	Additional Interfaces	I²C, PCIe, SDHC, SPI, UART
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MIMX8MM6CVTKZAA

Product Attribute				
Part Number	MIMX8MM6CVTKZAA	MIMX8MD6DVAJZAB	MIMX8MNSDVTJZAA	MIMX8ML8CVNKZAB
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Speed	1.6GHz	1.5GHz	1.5GHz	1.6GHz
Graphics Acceleration	Yes	Yes	Yes	Yes
RAM Controllers	DDR3L, DDR4, LPDDR4	DDR3L, DDR4, LPDDR4	DDR3L, DDR4, LPDDR4	DDR4, LPDDR4
Number of Cores/Bus Width	4 Core, 64-Bit	2 Core, 64-Bit	4 Core, 64-Bit	4 Core, 64-Bit
Voltage - I/O	-	-	-	-
Ethernet	GbE	GbE	GbE	GbE (2)
SATA	-	-	-	-
Supplier Device Package	486-LFBGA (14x14)	621-FCBGA (17x17)	486-LFBGA (14x14)	548-LFBGA (15x15)
Core Processor	ARM® Cortex®-A53	ARM® Cortex®-A53	ARM® Cortex®-A53	ARM® Cortex®-A53
Security Features	ARM TZ, CAAM, HAB, OCRAM, RDC, SJC, SNVS	ARM TZ, CAAM, HAB, RDC, RTC, SJC, SNVS	ARM TZ, CAAM, HAB, OCRAM, RDC, SJC, SNVS	ARM TZ, CAAM, RDC
Package / Case	486-LFBGA, FCBGA	621-FBGA, FCBGA	486-LFBGA, FCBGA	548-LFBGA
Package	Tray	Tray	Tray	Tray
Additional Interfaces	I²C, PCIe, SDHC, SPI, UART	EBI/EMI, I²C, PCIe, SPI, UART, uSDHC	AC97, I²C, I²S, MMC/SD, PCIe, PDM, SAI, SDHC, SPDIF, SPI, TDM, UART	CAN, I²C, PCIe, SDHC, SPI, UART
Series	i.MX8MM	i.MX8MD	i.MX8MN	i.MX8ML
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Display & Interface Controllers	MIPI-DSI	eDP, HDMI, MIPI-CSI, MIPI-DSI	LCD, MIPI-CSI, MIPI-DSI	MIPI-CSI, MIPI-DSI
Operating Temperature	-40°C ~ 105°C (TJ)	0°C ~ 95°C (TJ)	0°C ~ 95°C (TJ)	-40°C ~ 105°C (TJ)
Base Product Number	MIMX8	MIMX8MD6	MIMX8MN5	-
USB	USB 2.0 + PHY (2)	USB 3.0 (2)	USB 2.0 + PHY (2)	USB 2.0 + PHY (2), USB 3.0 + PHY (2)
Co-Processors/DSP	ARM® Cortex®-M4	ARM® Cortex®-M4	ARM® Cortex®-M7	ARM® Cortex®-M7, Multimedia; NEON™ MPE, Hi-Fi4 DSP

MIMX8MM6CVTKZAA Datasheet PDF

Download MIMX8MM6CVTKZAA pdf datasheets and NXP USA Inc. documentation for MIMX8MM6CVTKZAA - NXP USA Inc..

Datasheets

[i.MX 8M Mini Appl Processor Fact Sheet.pdf](#)

PCN Packaging

[MIMX8MM6CVTKZAA 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

COO/Label 15-apr-2022.pdf

PCN Design/Specification

Datasheet 14/Dec/2022.pdf

Software Update 27/Aug/2020.pdf

Customers Also Interested in

Recommended Products



MIMX8MD6DVAJZAB
NXP USA Inc.
I.MX 8MDUAL 17X17 NO LID 621FBGA



MIMX8MN5DVTJZAA
NXP USA Inc.
8M NANO 815S 14X14FCBGA



MIMX8ML8CVNKZAB
NXP USA Inc.
IC I.MX 8M PLUS QUAD BGA



MIMX8MN3CVTZAA
NXP USA Inc.
I.MX 8M NANO ARM CORTEX



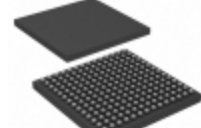
MIMD10A-7-F
Diodes Incorporated
TRANS PREBIAS NPN/PNP SOT363



MIMA151WKT1G
AMI Semiconductor/onsemi



MIMX8MN1DVTJZAA
NXP USA Inc.
8M NANO 815S 14X14FCBGA



MIMX8DX5AVLFZAC
NXP USA Inc.
I.MX 8DUALPLUS 21X21



MIMX8ML8DVNLZAB
NXP USA Inc.
IC I.MX 8M PLUS QUAD BGA



MIMX8MM1CVTKZAA
NXP USA Inc.
IC MPU I.MX 8M MINI SOLOLITE



MIMX8MM2DVTJZAA
NXP USA Inc.
IC MPU I.MX 8M MINI SOLO BGA



MIMX8MQ5CVAHZAB
NXP USA Inc.
I.MX 8MQQUAD 17X17 NO LID 621FBGA



MIMX8QM5AVUFFAB
NXP USA Inc.
MPU I.MX8 QUAD MAX



MIMX8MM6DVTJZAA
NXP USA Inc.
IC MPU I.MX 8M MINI QUAD BGA



MIMX8QM6AVUFFAB
NXP USA Inc.
MPU I.MX8 QUAD MAX



MIMX8MQ6CVAHZAB
NXP USA Inc.
I.MX 8MQQUAD 17X17 NO LID 621FBGA



MIMX8MQ6DVAJZAB
NXP USA Inc.
I.MX 8MQQUAD 17X17 NO LID 621FBGA



MIMX8MQ5DVAJZAA
NXP USA Inc.
IC MPU I.MX8MQ 1.5GHZ 621FCBGA

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



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