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See specifications for product details.



MCIMX27VOP4A

Manufacturer Part Number	MCIMX27VOP4A
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MCIMX27VOP4A
ECAD Model	Request Free CAD Models
Parts Description	IC MPU I.MX27 400MHZ 404MAPBGA
Package	404-LFBGA
Data sheet	I.MX27 Fact Sheet.pdf I.MX27/L.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCIMX27VOP4A - NXP USA Inc..New Original in Stock. Download Linear Technology MCIMX27VOP4A datasheet/specifications on AllelcoElec.com.
Request a quote for MCIMX27VOP4A, please send us email: info@allelco.com

Specifications

MCIMX27VOP4A Tech Specifications

MCIMX27VOP4A - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	-20°C ~ 85°C (TA)
Voltage - I/O	2.0V, 2.5V, 2.7V, 3.0V	Number of Cores/Bus Width	1 Core, 32-Bit
USB	USB 2.0 + PHY (3)	Mounting Type	Surface Mount
Supplier Device Package	404-LFBGA (17x17)	Graphics Acceleration	Yes
Speed	400MHz	Ethernet	10/100Mbps (1)
Series	i.MX27	Display & Interface Controllers	Keypad, LCD
Security Features	Cryptography, Random Number Generator, RTIC, Secure Fusebox, Secure Memory	Core Processor	ARM926EJ-S
SATA	-	Co-Processors/DSP	Security; SAHARAH2
RAM Controllers	DDR	Base Product Number	MCIMX27
Package / Case	404-LFBGA	Additional Interfaces	1-Wire, AC97, I ² C, I ² S, IDE, MMC/SD, SPI, SSI, UART
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCIMX27VOP4A

Product Attribute				
Part Number	MCIMX27VOP4A	MCIMX27V0P4A	MCIMX27MOP4A	MCIMX27VJP4A
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
USB	USB 2.0 + PHY (3)	-	USB 2.0 + PHY (3)	USB 2.0 + PHY (3)
Supplier Device Package	404-LFBGA (17x17)	-	473-LFBGA (19x19)	404-LFBGA (17x17)
Number of Cores/Bus Width	1 Core, 32-Bit	-	1 Core, 32-Bit	1 Core, 32-Bit
Base Product Number	MCIMX27	MCIMX27	MCIMX27	MCIMX27
Operating Temperature	-20°C ~ 85°C (TA)	-	-40°C ~ 85°C (TA)	-20°C ~ 85°C (TA)
Package / Case	404-LFBGA	-	473-LFBGA	404-LFBGA
Speed	400MHz	-	400MHz	400MHz
Package	Tray	Bulk	Tray	Tray
Display & Interface Controllers	Keypad, LCD	-	Keypad, LCD	Keypad, LCD
Core Processor	ARM926EJ-S	-	ARM926EJ-S	ARM926EJ-S
Additional Interfaces	1-Wire, AC97, I ² C, I ² S, IDE, MMC/SD, SPI, SSI, UART	-	1-Wire, AC97, I ² C, I ² S, IDE, MMC/SD, SPI, SSI, UART	1-Wire, AC97, I ² C, I ² S, IDE, MMC/SD, SPI, SSI, UART
Ethernet	10/100Mbps (1)	-	10/100Mbps (1)	10/100Mbps (1)
Series	i.MX27	*	i.MX27	i.MX27
Mounting Type	Surface Mount	-	Surface Mount	Surface Mount
Graphics Acceleration	Yes	-	Yes	Yes
Co-Processors/DSP	Security; SAHARAH2	-	Security; SAHARAH2	Security; SAHARAH2
SATA	-	-	-	-
Security Features	Cryptography, Random Number Generator, RTIC, Secure Fusebox, Secure Memory	-	Cryptography, Random Number Generator, RTIC, Secure Fusebox, Secure Memory	Cryptography, Random Number Generator, RTIC, Secure Fusebox, Secure Memory
RAM Controllers	DDR	-	DDR	DDR
Voltage - I/O	2.0V, 2.5V, 2.7V, 3.0V	-	2.0V, 2.5V, 2.7V, 3.0V	2.0V, 2.5V, 2.7V, 3.0V

MCIMX27VOP4A Datasheet PDF

Download MCIMX27VOP4A pdf datasheets and NXP USA Inc. documentation for MCIMX27VOP4A - NXP USA Inc..


Datasheets

[I.MX27 Fact Sheet.pdf](#)

[I.MX27/L.pdf](#)

Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Assembly/Origin

 Mult Dev A/T Chg 20/Apr/2021.pdf

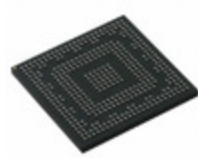
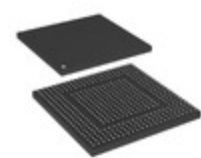
PCN Packaging

 Mult Dev Pkg Seal 15/Dec/2020.pdf

 Tray Attributes 29/Sep/2021.pdf

Customers Also Interested in

Recommended Products



MCIMX27V0P4A

Freescale Semiconductor
I.MX27 32 BIT MICROPROCESSOR,
AR

MCIMX27MOP4A

NXP USA Inc.
IC MPU I.MX27 400MHZ 473MAPBGA

MCIMX27VJP4A

NXP USA Inc.
IC MPU I.MX27 400MHZ 404MAPBGA

MCIMX280CVM4B

NXP USA Inc.
IC MPU I.MX28 454MHZ 289MAPBGA

MCIMX283CVM4C

NXP USA Inc.
IC MPU I.MX28 454MHZ 289MAPBGA

MCIMX283DVM4B

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IC MPU I.MX28 454MHZ 289MAPBGA



MCIMX27VOP4

Fairchild (onsemi)

MCIMX285AVM4B

NXP USA Inc.
IC MPU I.MX28 454MHZ 289MAPBGA

MCIMX27MOP4A

Freescale / NXP Semiconductors

MCIMX280DVM4B

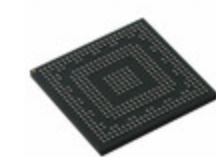
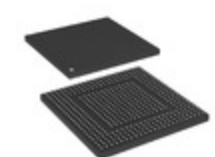
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I.MX28 32-BIT MPU, ARM926EJ-S CO

MCIMX283CVM4B

NXP USA Inc.
IC MPU I.MX28 454MHZ 289MAPBGA

MCIMX27LVOP4A

Freescale Semiconductor
I.MX27 32 BIT MICROPROCESSOR,
AR



MCIMX27MJP4A

NXP USA Inc.
IC MPU I.MX27 400MHZ 473MAPBGA

MCIMX280DVM4B

NXP USA Inc.
IC MPU I.MX28 454MHZ 289MAPBGA

MCIMX27MJP4A

Freescale Semiconductor
I.MX27 32 BIT MICROPROCESSOR,
AR

MCIMX280CVM4B

Freescale Semiconductor
I.MX28 32-BIT MPU, ARM926EJ-S CO

MCIMX27LVOP4A

NXP USA Inc.
IC MPU I.MX27 400MHZ 404MAPBGA

MCIMX27MOP4A

Freescale Semiconductor
I.MX27 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 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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Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



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Email
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Certifications & Memberships



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