

Image may be representation.  
See specifications for product details.



## P1022NXN2LFB

Manufacturer Part Number	<b>P1022NXN2LFB</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-P1022NXN2LFB
ECAD Model	Request Free CAD Models
Parts Description	IC MPU Q OR IQ 1.067GHZ 689TBGA
Package	689-BBGA Exposed Pad
Data sheet	<b>P1013/P1022 Fact Sheet.pdf</b> <b>P1022NXN2LFB.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

P1022NXN2LFB - NXP USA Inc..New Original in Stock. Download Linear Technology P1022NXN2LFB datasheet/specifications on AllelcoElec.com.  
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## Specifications

P1022NXN2LFB Tech Specifications

P1022NXN2LFB - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	-40°C ~ 125°C (TA)
Voltage - I/O	-	Number of Cores/Bus Width	2 Core, 32-Bit
USB	USB 2.0 + PHY (2)	Mounting Type	Surface Mount
Supplier Device Package	689-TEPBGA II (31x31)	Graphics Acceleration	No
Speed	1.067GHz	Ethernet	10/100/1000Mbps (2)
Series	QorIQ P1	Display & Interface Controllers	LCD
Security Features	-	Core Processor	PowerPC e500v2
SATA	SATA 3Gbps (2)	Co-Processors/DSP	-
RAM Controllers	DDR2, DDR3	Base Product Number	P1022
Package / Case	689-BBGA Exposed Pad	Additional Interfaces	DUART, I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD, SPI
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. P1022NXN2LFB

Product Attribute				
Part Number	P1022NXN2LFB	<b>P1022NSE2LFB</b>	<b>P1024NSE5DFB</b>	<b>P1024NSE5DFB</b>
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Series	QorIQ P1	QorIQ P1	QorIQ P1	QorIQ P1
Additional Interfaces	DUART, I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD, SPI	DUART, I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD, SPI	DUART, I <sup>2</sup> C, MMC/SD, SPI	DUART, I <sup>2</sup> C, MMC/SD, SPI
Base Product Number	P1022	P1022	P1024	P1024
Package	Tray	Tray	Tray	Bulk
Display & Interface Controllers	LCD	LCD	-	-
RAM Controllers	DDR2, DDR3	DDR2, DDR3	DDR3	DDR3
Security Features	-	Cryptography, Random Number Generator	Cryptography, Random Number Generator	Cryptography, Random Number Generator
Operating Temperature	-40°C ~ 125°C (TA)	0°C ~ 105°C (TA)	0°C ~ 125°C (TA)	0°C ~ 125°C (TA)
SATA	SATA 3Gbps (2)	SATA 3Gbps (2)	-	-
Voltage - I/O	-	-	-	-
Package / Case	689-BBGA Exposed Pad	689-BBGA Exposed Pad	561-FBGA	561-FBGA
Speed	1.067GHz	1.055GHz	667MHz	667MHz
USB	USB 2.0 + PHY (2)	USB 2.0 + PHY (2)	USB 2.0 + PHY (2)	USB 2.0 + PHY (2)
Supplier Device Package	689-TEPBGA II (31x31)	689-TEPBGA II (31x31)	561-TEPBGA I (23x23)	561-TEPBGA I (23x23)
Graphics Acceleration	No	No	No	No
Co-Processors/DSP	-	Security; SEC	Security; SEC 3.3	Security; SEC 3.3
Core Processor	PowerPC e500v2	PowerPC e500v2	PowerPC e500v2	PowerPC e500v2
Ethernet	10/100/1000Mbps (2)	10/100/1000Mbps (2)	10/100/1000Mbps (3)	10/100/1000Mbps (3)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of Cores/Bus Width	2 Core, 32-Bit	2 Core, 32-Bit	2 Core, 32-Bit	2 Core, 32-Bit

## P1022NXN2LFB Datasheet PDF

Download P1022NXN2LFB pdf datasheets and NXP USA Inc. documentation for P1022NXN2LFB - NXP USA Inc..

### Datasheets


[P1013/P1022 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 Design/Specification

 Cylindrical Battery Holders.pdf

## PCN Obsolescence/ EOL

 Cylindrical Battery Holders.pdf

## Errata

 SATA-A-006187 Errata.pdf

## PCN Assembly/Origin

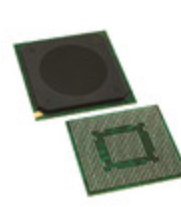
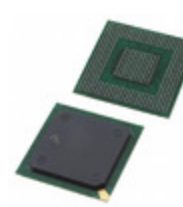

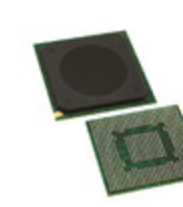
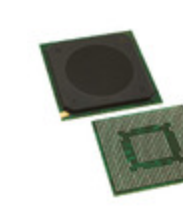

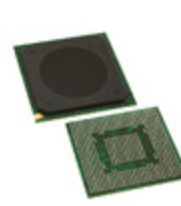





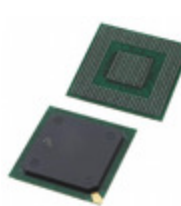
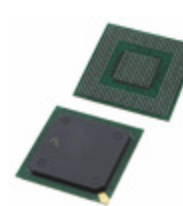


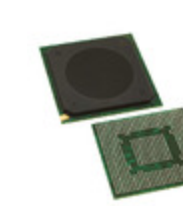

 2.73KHz.pdf

## HTML Datasheet

 P1022NXN2LFB.pdf

## Customers Also Interested in

### Recommended Products

					
<b>P1022NSE2LFB</b> NXP USA Inc. IC MPU Q OR IQ 1.055GHZ 689TBGA	<b>P1024NSE5DFB</b> NXP USA Inc. IC MPU Q OR IQ 667MHZ 561TEBGA1	<b>P1024NSE5DFB</b> Freescale Semiconductor QORIQ, POWER ARCH 32-BIT SOC, 2	<b>P1022NSE2HFB</b> NXP USA Inc. IC MPU Q OR IQ 1.055GHZ 689TBGA	<b>P1022NSN2HFB</b> NXP USA Inc. IC MPU Q OR IQ 1.055GHZ 689TBGA	<b>P1022NSE2HFB</b> Freescale Semiconductor QORIQ, 32 BIT POWER ARCH SOC, 80
					
<b>P1022NXE2HFB</b> NXP USA Inc. IC MPU Q OR IQ 1.055GHZ 689TBGA	<b>P1022NXE2HFB</b> Freescale Semiconductor QORIQ, 32 BIT POWER ARCH SOC, 80	<b>P1024NXE5DFB</b> Freescale Semiconductor QORIQ, POWER ARCH 32-BIT SOC, 2	<b>P1023SSE5CFB</b> Freescale / NXP Semiconductors	<b>P1024NXE5BFB</b> Freescale Semiconductor IC MPU QORIQ P1 400MHZ 561TEPBGA	<b>P1023NXE5CFB</b> Freescale Semiconductor IC MPU QORIQ P1 500MHZ 457TEPBGA
					
<b>P1024NXE5BFB</b> NXP USA Inc. IC MPU 400MHZ 561-TEPBGA1	<b>P1024NXE5DFB</b> NXP USA Inc. IC MPU Q OR IQ 667MHZ 561TEBGA1	<b>P1022NSE2MHB</b> Freescale Semiconductor QORIQ, 32 BIT POWER ARCH SOC, 1.	<b>P1022NSN2HFB</b> Freescale Semiconductor QORIQ, 32 BIT POWER ARCH SOC, 80	<b>P1022NSE2MHB</b> NXP USA Inc. IC MPU Q OR IQ 1.055GHZ 689TBGA	<b>P1023NXE5CFB</b> NXP USA Inc. IC MPU Q OR IQ 500MHZ 457TEBGA

## 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  Cost-Saving  Fast Sourcing &

## Certifications & Memberships





Management Procurement Delivery

Contact us if you have any questions.



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Email

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