

Image may be representation.  
See specifications for product details.



## P1013NXN2HFB

Manufacturer Part Number	<b>P1013NXN2HFB</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-P1013NXN2HFB
ECAD Model	Request Free CAD Models
Parts Description	IC MPU Q OR IQ 1.055GHZ 689TBGA
Package	689-BBGA Exposed Pad
Data sheet	<b>P1013/P1022 Fact Sheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

P1013NXN2HFB - NXP USA Inc..New Original in Stock. Download Linear Technology P1013NXN2HFB datasheet/specifications on AllelcoElec.com.  
Request a quote for P1013NXN2HFB, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

P1013NXN2HFB Tech Specifications

P1013NXN2HFB - 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	1 Core, 32-Bit
USB	USB 2.0 + PHY (2)	Mounting Type	Surface Mount
Supplier Device Package	689-TEPBGA II (31x31)	Graphics Acceleration	No
Speed	1.055GHz	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	P1013
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. P1013NXN2HFB

Product Attribute				
Part Number	P1013NXN2HFB	P1012NXN2DFB	P1013NXE2LFB	P1012NXE2HFB
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
SATA	SATA 3Gbps (2)	-	SATA 3Gbps (2)	-
RAM Controllers	DDR2, DDR3	DDR2, DDR3	DDR2, DDR3	DDR2, DDR3
Series	QorIQ P1	QorIQ P1	QorIQ P1	QorIQ P1
Co-Processors/DSP	-	Communications; QUICC Engine	Security; SEC	Communications; QUICC Engine, Security; SEC 3.3
Supplier Device Package	689-TEPBGA II (31x31)	689-TEPBGA II (31x31)	689-TEPBGA II (31x31)	689-TEPBGA II (31x31)
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)
Additional Interfaces	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, I <sup>2</sup> S, MMC/SD, SPI	DUART, I <sup>2</sup> C, MMC/SD, SPI
Base Product Number	P1013	P1012	-	P1012
Core Processor	PowerPC e500v2	PowerPC e500v2	PowerPC e500v2	PowerPC e500v2
USB	USB 2.0 + PHY (2)	USB 2.0 + PHY (2)	USB 2.0 + PHY (2)	USB 2.0 + PHY (2)
Ethernet	10/100/1000Mbps (2)	10/100/1000Mbps (3)	10/100/1000Mbps (2)	10/100/1000Mbps (3)
Security Features	-	-	Cryptography, Random Number Generator	Cryptography, Random Number Generator
Package / Case	689-BBGA Exposed Pad	689-BBGA Exposed Pad	689-BBGA Exposed Pad	689-BBGA Exposed Pad
Speed	1.055GHz	800MHz	1.055GHz	800MHz
Graphics Acceleration	No	No	No	No
Display & Interface Controllers	LCD	-	LCD	-
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Voltage - I/O	-	-	-	-
Package	Tray	Tray	Bulk	Tray

### P1013NXN2HFB Datasheet PDF

Download P1013NXN2HFB pdf datasheets and NXP USA Inc. documentation for P1013NXN2HFB - NXP USA Inc..

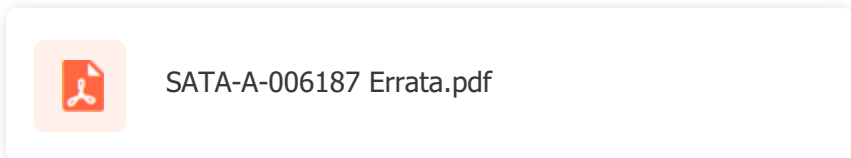
#### Datasheets

P1013/P1022 Fact Sheet.pdf

#### Environmental Information

NXP USA Inc REACH.pdf

NXP USA Inc RoHS Cert.pdf



**Customers Also Interested in**

**Recommended Products**

<b>P1012NXN2DFB</b> NXP USA Inc. IC MPU Q OR IQ 800MHZ 689TEBGA	<b>P1013NXE2LFB</b> Freescale Semiconductor QORIQ, 32 BIT POWER ARCH SOC, 1G	<b>P1012PSE2HFA</b> Freescale / NXP Semiconductors	<b>P1013AP10</b> AMI Semiconductor/onsemi	<b>P1012NXE2HFB</b> NXP USA Inc. IC MPU Q OR IQ 800MHZ 689TEBGA	<b>P1014NSE5DFB</b> NXP USA Inc. IC MPU Q OR IQ 800MHZ 425TEBGA
<b>P1014AP06</b> AMI Semiconductor/onsemi	<b>P1013NSN2HFB</b> NXP USA Inc. IC MPU Q OR IQ 1.055GHZ 689TBGA	<b>P1014AP10</b> AMI Semiconductor/onsemi	<b>P1013NXE2LFB</b> NXP USA Inc. IC MPU Q OR IQ 1.055GHZ 689TBGA	<b>P1013SSN2LHB</b> Freescale / NXP Semiconductors	<b>P1013NXN2LFB</b> Freescale Semiconductor QORIQ, 32 BIT POWER ARCH SOC, 1G
<b>P1014NSE5HFA</b> Freescale Semiconductor QORIQ RISC MICROPROCESSOR, POWER	<b>P1012NSN2HFB</b> Freescale Semiconductor QORIQ INTEGRATED PROCESSOR	<b>P1014NSE5DFA</b> Freescale Semiconductor QORIQ RISC MICROPROCESSOR, POWER	<b>P1014NSE5DFA</b> NXP USA Inc. IC MPU Q OR IQ 800MHZ 425TEBGA1	<b>P1013NXN2LFB</b> NXP USA Inc. IC MPU Q OR IQ 1.067GHZ 689TBGA	<b>P1013NSN2EFB</b> NXP USA Inc. IC MPU Q OR IQ 1.055GHZ 689TBGA

**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
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**Contact us if you have any questions.**

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**Certifications & Memberships**



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**Contact us**

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