



# P1010NSE5HHA

Manufacturer Part Number	<b>P1010NSE5HHA</b>
Manufacturer	<b>Freescale Semiconductor, Inc. (NXP Semiconductors)</b>
Allelco Part Number	32D-P1010NSE5HHA
ECAD Model	Request Free CAD Models
Parts Description	QORIQ RISC MICROPROCESSOR, 32 BI
Package	425-FBGA
Data sheet	P1010NSE5HHA.pdf
RoHs Status	ROHS3 Compliant

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P1010NSE5HHA - Freescale Semiconductor. New Original in Stock. Download Linear Technology P1010NSE5HHA datasheet/specifications on AllelcoElec.com.  
Request a quote for P1010NSE5HHA, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

P1010NSE5HHA Tech Specifications  
P1010NSE5HHA - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)	Package	Bulk
Voltage - I/O	-	Operating Temperature	0°C ~ 105°C (TA)
USB	USB 2.0 + PHY (1)	Number of Cores/Bus Width	1 Core, 32-Bit
Supplier Device Package	425-TEPBGA I (19x19)	Mounting Type	Surface Mount
Speed	800MHz	Graphics Acceleration	No
Series	QorIQ P1	Ethernet	10/100/1000Mbps (3)
Security Features	Boot Security, Cryptography, Random Number Generator, Secure Fusebox	Display & Interface Controllers	-
SATA	SATA 3Gbps (2)	Core Processor	PowerPC e500v2
RAM Controllers	DDR3, DDR3L	Co-Processors/DSP	Security; SEC 4.4
Package / Case	425-FBGA	Additional Interfaces	CAN, DUART, I <sup>2</sup> C, MMC/SD, SPI

## Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor P1010NSE5HHA

Product Attribute				
Part Number	P1010NSE5HHA	P1010NSE5HFB	P1010NSN5DFA	P1010NSE5KHB
Manufacturer	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Graphics Acceleration	No	No	No	No
Package / Case	425-FBGA	425-FBGA	425-FBGA	425-FBGA
Additional Interfaces	CAN, DUART, I <sup>2</sup> C, MMC/SD, SPI	CAN, DUART, I <sup>2</sup> C, MMC/SD, SPI	CAN, DUART, I <sup>2</sup> C, MMC/SD, SPI	CAN, DUART, I <sup>2</sup> C, MMC/SD, SPI
RAM Controllers	DDR3, DDR3L	DDR3, DDR3L	DDR3, DDR3L	DDR3, DDR3L
Package	Bulk	Tray	Tray	Tray
Ethernet	10/100/1000Mbps (3)	10/100/1000Mbps (3)	10/100/1000Mbps (3)	10/100/1000Mbps (3)
SATA	SATA 3Gbps (2)	SATA 3Gbps (2)	SATA 3Gbps (2)	SATA 3Gbps (2)
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Operating Temperature	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)	0°C ~ 105°C (TA)
Display & Interface Controllers	-	-	-	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	800MHz	1.0GHz	1.0GHz	1.0GHz
Core Processor	PowerPC e500v2	PowerPC e500v2	PowerPC e500v2	PowerPC e500v2
Security Features	Boot Security, Cryptography, Random Number Generator, Secure Fusebox	Boot Security, Cryptography, Random Number Generator, Secure Fusebox	-	Boot Security, Cryptography, Random Number Generator, Secure Fusebox
Voltage - I/O	-	-	-	-
Series	QorIQ P1	QorIQ P1	QorIQ P1	QorIQ P1
Co-Processors/DSP	Security; SEC 4.4	Security; SEC 4.4	-	Security; SEC 4.4
USB	USB 2.0 + PHY (1)	USB 2.0 + PHY (1)	USB 2.0 + PHY (1)	USB 2.0 + PHY (1)
Supplier Device Package	425-TEPBGA I (19x19)	425-TEPBGA I (19x19)	425-TEPBGA I (19x19)	425-TEPBGA I (19x19)

## Customers Also Interested in

### Recommended Products

<b>P1010NSE5HFB</b>	<b>P1010NSN5DFA</b>	<b>P1010NSE5KHB</b>	<b>P1010AP</b>	<b>P1010NSE5HFA</b>	<b>P1010NSE5HHA</b>
NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	AMI Semiconductor/onsemi	NXP USA Inc.	NXP USA Inc.
IC MPU Q OR IQ 1.0GHZ 425TEBGA	IC MPU Q OR IQ 1.0GHZ 425TEBGA	IC MPU Q OR IQ 1.0GHZ 425TEBGA		IC MPU Q OR IQ 1.0GHZ 425TEBGA	IC MPU Q OR IQ 1.0GHZ 425TEBGA

**P1010NSE5DFA**

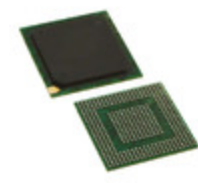
NXP USA Inc.  
IC MPU Q OR IQ 1.0GHZ 425TEBGA

**P1010NSE5HBB**

NXP USA Inc.  
IC MPU Q OR IQ 1.0GHZ 425TEBGA

**P1010NSE5HFA**

Freescale Semiconductor  
QORIQ RISC MICROPROCESSOR,  
POWER

**P1010NSN5HFB**

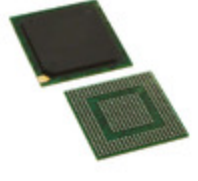
NXP USA Inc.  
IC MPU Q OR IQ 1.0GHZ 425TEBGA

**P1010NSN5HFB**

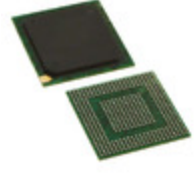
Freescale Semiconductor  
QORIQ, 32-BIT POWER ARCH, SOC,  
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**P1010NSE5DFA**

Freescale Semiconductor  
QORIQ RISC MICROPROCESSOR,  
POWER

**P1010NSE5KHA**

Freescale Semiconductor  
RISC MPU, 32-BIT, 1000MHZ, CMOS

**P1010NSE5KHA**

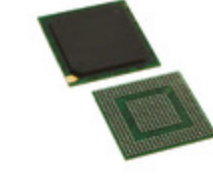
NXP USA Inc.  
IC MPU Q OR IQ 1.0GHZ 425TEBGA

**P1010NSE5DFB**

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NXP USA Inc.  
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NXP USA Inc.  
IC MPU Q OR IQ 1.0GHZ 425TEBGA

**P1010NSN5HFA**

Freescale Semiconductor  
QORIQ RISC MICROPROCESSOR,  
POWER

## 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 -



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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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