

Image may be representation.
See specifications for product details.



P1010NXE5DFB

Manufacturer Part Number	P1010NXE5DFB
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-P1010NXE5DFB
ECAD Model	Request Free CAD Models
Parts Description	IC MPU Q OR IQ 1.0GHZ 425TEBGA
Package	425-FBGA
Data sheet	P1 Series (P1010/14 Fact Sheet.pdf) QorIQ P1010,P1014 Fact Sheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

P1010NXE5DFB - NXP USA Inc..New Original in Stock. Download Linear Technology P1010NXE5DFB datasheet/specifications on AllelcoElec.com.
Request a quote for P1010NXE5DFB, please send us email: info@allelco.com

Specifications

P1010NXE5DFB Tech Specifications

P1010NXE5DFB - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Operating Temperature	-40°C ~ 105°C (TA)
Voltage - I/O	-	Number of Cores/Bus Width	1 Core, 32-Bit
USB	USB 2.0 + PHY (1)	Mounting Type	Surface Mount
Supplier Device Package	425-TEPBGA I (19x19)	Graphics Acceleration	No
Speed	1.0GHz	Ethernet	10/100/1000Mbps (3)
Series	QorIQ P1	Display & Interface Controllers	-
Security Features	Boot Security, Cryptography, Random Number Generator, Secure Fusebox	Core Processor	PowerPC e500v2
SATA	SATA 3Gbps (2)	Co-Processors/DSP	Security; SEC 4.4
RAM Controllers	DDR3, DDR3L	Base Product Number	P1010
Package / Case	425-FBGA	Additional Interfaces	CAN, DUART, I ² C, MMC/SD, SPI
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. P1010NXE5DFB

Product Attribute				
Part Number	P1010NXE5DFB	P1010NSN5HBB	P1010NXE5KHA	P1010NSN5HHA
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Ethernet	10/100/1000Mbps (3)	10/100/1000Mbps (3)	10/100/1000Mbps (3)	10/100/1000Mbps (3)
Co-Processors/DSP	Security; SEC 4.4	-	Security; SEC 4.4	-
SATA	SATA 3Gbps (2)	SATA 3Gbps (2)	SATA 3Gbps (2)	SATA 3Gbps (2)
Voltage - I/O	-	-	-	-
Display & Interface Controllers	-	-	-	-
USB	USB 2.0 + PHY (1)	USB 2.0 + PHY (1)	USB 2.0 + PHY (1)	USB 2.0 + PHY (1)
Additional Interfaces	CAN, DUART, I ² C, MMC/SD, SPI	CAN, DUART, I ² C, MMC/SD, SPI	CAN, DUART, I ² C, MMC/SD, SPI	CAN, DUART, I ² C, MMC/SD, SPI
RAM Controllers	DDR3, DDR3L	DDR3, DDR3L	DDR3, DDR3L	DDR3, DDR3L
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	P1010	P1010	P1010	P1010
Security Features	Boot Security, Cryptography, Random Number Generator, Secure Fusebox	-	Boot Security, Cryptography, Random Number Generator, Secure Fusebox	-
Package	Tray	Tray	Tray	Tray
Speed	1.0GHz	1.0GHz	1.0GHz	1.0GHz
Package / Case	425-FBGA	425-FBGA	425-FBGA	425-FBGA
Supplier Device Package	425-TEPBGA I (19x19)	425-TEPBGA I (19x19)	425-TEPBGA I (19x19)	425-TEPBGA I (19x19)
Operating Temperature	-40°C ~ 105°C (TA)	0°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	0°C ~ 105°C (TA)
Series	QorIQ P1	QorIQ P1	QorIQ P1	QorIQ P1
Graphics Acceleration	No	No	No	No
Number of Cores/Bus Width	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit	1 Core, 32-Bit
Core Processor	PowerPC e500v2	PowerPC e500v2	PowerPC e500v2	PowerPC e500v2

P1010NXE5DFB Datasheet PDF

Download P1010NXE5DFB pdf datasheets and NXP USA Inc. documentation for P1010NXE5DFB - NXP USA Inc..

Datasheets

P1 Series (P1010/14 Fact Sheet.pdf)

QorIQ P1010,P1014 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 Obsolescence/ EOL

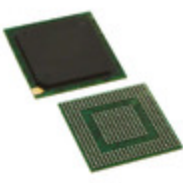

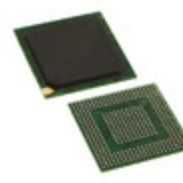




Cylindrical Battery Holders.pdf

Errata

P1010 Errata.pdf

Customers Also Interested in

Recommended Products

 P1010NSN5HHB NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA	 P1010NXE5KHA NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA	 P1010NSN5HHA NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA	 P1010NXN5HFA Freescale Semiconductor QORIQ RISC MICROPROCESSOR, POWER	 P1010NSN5HFA Freescale Semiconductor QORIQ RISC MICROPROCESSOR, POWER	 P1010NXE5HFA NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA
 P1010NSN5HFA NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA	 P1010NSN5HHA Freescale Semiconductor QORIQ RISC MICROPROCESSOR, POWER	 P1010NXE5KHB Freescale Semiconductor QORIQ, 32-BIT POWER ARCH, SOC, 1	 P1010NSN5KHB Freescale Semiconductor QORIQ, 32-BIT POWER ARCH, SOC, 1	 P1010NXE5FFA NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA	 P1010NXE5KHA Freescale Semiconductor QORIQ RISC MICROPROCESSOR, POWER
 P1010NXE5HFA Freescale Semiconductor QORIQ RISC MICROPROCESSOR, POWER	 P1010NXE5HHB NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA	 P1010NXE5KHB NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA	 P1010NSN5HFB Freescale Semiconductor QORIQ, 32-BIT POWER ARCH, SOC, 8	 P1010NXN5HFA NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA	 P1010NXE5DFA NXP USA Inc. IC MPU Q OR IQ 1.0GHZ 425TEBGA

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 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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