



NXP Semiconductors / Freescale

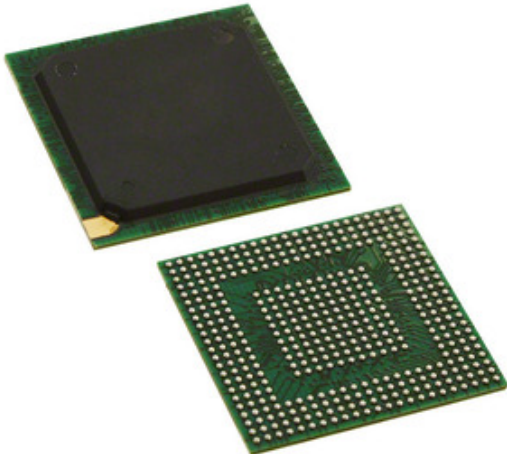


Image may be representation. See specifications for product details.

### P1010NXN5KHA

Part Number: P1010NXN5KHA

Manufacturer/Brand: NXP Semiconductors / Freescale

Product description: IC MPU Q OR IQ 1.0GHZ 425TEBGA

Datasheets:  
[1.P1010NXN5KHA.pdf](#)  
[2.P1010NXN5KHA.pdf](#)  
[3.P1010NXN5KHA.pdf](#)  
[4.P1010NXN5KHA.pdf](#)  
[5.P1010NXN5KHA.pdf](#)  
[6.P1010NXN5KHA.pdf](#)  
[7.P1010NXN5KHA.pdf](#)  
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[9.P1010NXN5KHA.pdf](#)

RoHs Status:  Lead free / RoHS Compliant

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Shipping Way:  Hong Kong  
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| Specifications of P1010NXN5KHA   |                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | P1010NXN5KHA                                                                                                                                                                                                                                                                                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                                                                     |
| DESCRIPTION                      | IC MPU Q OR IQ 1.0GHZ 425TEBGA                                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                         |
| DATA SHEET                       | <a href="#">1.P1010NXN5KHA.pdf</a><br><a href="#">2.P1010NXN5KHA.pdf</a><br><a href="#">3.P1010NXN5KHA.pdf</a><br><a href="#">4.P1010NXN5KHA.pdf</a><br><a href="#">5.P1010NXN5KHA.pdf</a><br><a href="#">6.P1010NXN5KHA.pdf</a><br><a href="#">7.P1010NXN5KHA.pdf</a><br><a href="#">8.P1010NXN5KHA.pdf</a><br><a href="#">9.P1010NXN5KHA.pdf</a> |
| VOLTAGE - I/O                    | -                                                                                                                                                                                                                                                                                                                                                  |
| USB                              | USB 2.0 + PHY (1)                                                                                                                                                                                                                                                                                                                                  |
| SUPPLIER DEVICE PACKAGE          | 425-TEPBGA I (19x19)                                                                                                                                                                                                                                                                                                                               |
| SPEED                            | 1.0GHz                                                                                                                                                                                                                                                                                                                                             |
| SERIES                           | QorIQ P1                                                                                                                                                                                                                                                                                                                                           |
| SECURITY FEATURES                | -                                                                                                                                                                                                                                                                                                                                                  |
| SATA                             | SATA 3Gbps (2)                                                                                                                                                                                                                                                                                                                                     |
| RAM CONTROLLERS                  | DDR3, DDR3L                                                                                                                                                                                                                                                                                                                                        |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 425-FBGA                                                                                                                                                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                                                                                                                                                                                                                 |
| NUMBER OF CORES/BUS WIDTH        | 1 Core, 32-Bit                                                                                                                                                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                                         |
| GRAPHICS ACCELERATION            | No                                                                                                                                                                                                                                                                                                                                                 |
| ETHERNET                         | 10/100/1000 Mbps (3)                                                                                                                                                                                                                                                                                                                               |
| DISPLAY & INTERFACE CONTROLLERS  | -                                                                                                                                                                                                                                                                                                                                                  |
| DETAILED DESCRIPTION             | PowerPC e500v2 Microprocessor IC QorIQ P1 1 Core, 32-Bit 1.0GHz 425-TEPBGA I (19x19)                                                                                                                                                                                                                                                               |
| CORE PROCESSOR                   | PowerPC e500v2                                                                                                                                                                                                                                                                                                                                     |
| CO-PROCESSORS/DSP                | -                                                                                                                                                                                                                                                                                                                                                  |
| BASE PART NUMBER                 | P1010                                                                                                                                                                                                                                                                                                                                              |
| ADDITIONAL INTERFACES            | CAN, DUART, I <sup>2</sup> C, MMC/SD, SPI                                                                                                                                                                                                                                                                                                          |

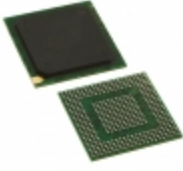
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Manufacturers: NXP Semiconductors / Freescale  
Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1  
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**P1010NXN5KHB**  
Manufacturers: NXP Semiconductors / Freescale  
Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA  
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**P1010PSE5HFA**  
Manufacturers: NXP Semiconductors / Freescale  
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**P1010PSE5FFA**  
Manufacturers: NXP Semiconductors / Freescale  
Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1  
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**P1010NXN5FFB**  
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Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA  
In stock: Out stock  
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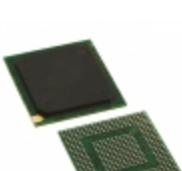
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Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA1  
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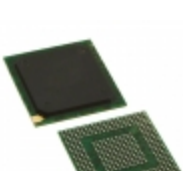
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Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA  
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**P1010NXN5FFA**  
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Description: IC MPU Q OR IQ 1.0GHZ 425TEBGA  
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