



P1020NSN2FFB Information

For Reference Only

Part Number P1020NSN2FFB

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microprocessors

Description IC MPU Q OR IQ 800MHZ 689TEBGA

Package 689-BBGA Exposed Pad

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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Certified Quality

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P1020NSN2FFB Specifications

| Manufacturer Part NumberP1020NSN2FFBManufacturerNXPCategoryIntegrated Circuits (ICs)Embedded - MicroprocessorsPackage689-BBGA Exposed PadSeriesQorIQ P1Core ProcessorPowerPC e500v2Number of Cores/Bus Width2 Core, 32-BitSpeed800MHzCo-Processors/DSP-RAM ControllersDDR2, DDR3Graphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/1000 Mbps (3)SATA-USBUSB 2.0 + PHY (2)Voltage - I/O2.5V, 3.3VOperating Temperature0°C ~ 125°C (TA) | | |
|--|---------------------------------|----------------------------|
| Category Integrated Circuits (ICs) Embedded - Microprocessors Package 689-BBGA Exposed Pad Series QorIQ P1 Core Processor PowerPC e500v2 Number of Cores/Bus Width 2 Core, 32-Bit Speed 800MHz Co-Processors/DSP - RAM Controllers DDR2, DDR3 Graphics Acceleration No Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Manufacturer Part Number | P1020NSN2FFB |
| Embedded - Microprocessors | Manufacturer | NXP |
| Package 689-BBGA Exposed Pad Series QorIQ PI Core Processor PowerPC e500v2 Number of Cores/Bus Width 2 Core, 32-Bit Speed 800MHz Co-Processors/DSP - RAM Controllers DDR2, DDR3 Graphics Acceleration No Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Category | Integrated Circuits (ICs) |
| Series QorIQ P1 Core Processor PowerPC e500v2 Number of Cores/Bus Width 2 Core, 32-Bit Speed 800MHz Co-Processors/DSP - RAM Controllers DDR2, DDR3 Graphics Acceleration No Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | | Embedded - Microprocessors |
| Core Processor PowerPC e500v2 Number of Cores/Bus Width 2 Core, 32-Bit Speed 800MHz Co-Processors/DSP - RAM Controllers DDR2, DDR3 Graphics Acceleration No Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Package | 689-BBGA Exposed Pad |
| Number of Cores/Bus Width Speed 800MHz Co-Processors/DSP RAM Controllers DDR2, DDR3 Graphics Acceleration No Display & Interface Controllers Ethernet 10/100/1000 Mbps (3) SATA USB USB 2.0 + PHY (2) Voltage - I/O 2 Core, 32-Bit 800MHz - UNDR3 - UNDR3 DDR2, DDR3 No UNDR3 VOITOR VOITOR VOITOR USB 2.0 + PHY (2) Voltage - I/O | Series | QorIQ P1 |
| Speed 800MHz Co-Processors/DSP - RAM Controllers DDR2, DDR3 Graphics Acceleration No Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Core Processor | PowerPC e500v2 |
| Co-Processors/DSP - RAM Controllers DDR2, DDR3 Graphics Acceleration No Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Number of Cores/Bus Width | 2 Core, 32-Bit |
| RAM Controllers DDR2, DDR3 Graphics Acceleration No Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Speed | 800MHz |
| Graphics Acceleration No Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Co-Processors/DSP | - |
| Display & Interface Controllers - Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | RAM Controllers | DDR2, DDR3 |
| Ethernet 10/100/1000 Mbps (3) SATA - USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Graphics Acceleration | No |
| SATA USB USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Display & Interface Controllers | - |
| USB 2.0 + PHY (2) Voltage - I/O 2.5V, 3.3V | Ethernet | 10/100/1000 Mbps (3) |
| Voltage - I/O 2.5V, 3.3V | SATA | - |
| | USB | USB $2.0 + PHY(2)$ |
| Operating Temperature $0^{\circ}\text{C} \sim 125^{\circ}\text{C} \text{ (TA)}$ | Voltage - I/O | 2.5V, 3.3V |
| | Operating Temperature | 0°C ~ 125°C (TA) |
| Security Features - | Security Features | - |
| Package / Case 689-BBGA Exposed Pad | Package / Case | 689-BBGA Exposed Pad |
| Supplier Device Package 689-TEPBGA II (31x31) | Supplier Device Package | 689-TEPBGA II (31x31) |
| Report errors? | | Report errors? |

P1020NSN2FFB Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

P1020NSN2FFB Payment Methods



















P1020NSN2FFB Shipping Methods













If you have any question about P1020NSN2FFB, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com