

# C293NSE7MMA

a Quote

#### **C293NSE7MMA Information**

|                    | Part Number  | C293NSE7MMA   |              |
|--------------------|--------------|---|--------------|
| Heisener.com       | Manufacturer |   | <b>11195</b> |
|                    | Category     | Integrated Circuits (ICs)<br>Embedded - Microprocessors                   |              |
|                    | Description  | IC SOC CRYPTO 1200MHZ 780FCBGA  | - 7857       |
|                    | Package      | 780-BBGA, FCBGA   |              |
|                    |              | For the pricing/inventory/lead time, please contact                       |              |
| For Reference Only |              | us<br>Website: https://www.heisener.com<br>E-mail: salesdept@heisener.com | Request a    |

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.



### **C293NSE7MMA Specifications**

| Manufacturer NXP   Category Integrated Circuits (ICs)   Embedded - Microprocessors Embedded - Microprocessors   Package 780-BBGA, FCBGA   Series C29x Crypto   Core Processor PowerPC e500v2   Number of Cores/Bus Width 1 Core, 32-Bit   Speed 1.2GHz   Co-Processors/DSP Security; SEC   RAM Controllers DDR3, DDR3L   Graphics Acceleration No   Display & Interface Controllers -   Ethernet 10/100/1000 Mbps (2)   SATA -   Voltage - I/O -   Operating Temperature 0°C ~ 105°C (TA)   Security, Features Foot Security, Cryptography, Random Number Generator, Secure Fusebox   Package / Case 780-BBGA, FCBGA |                                 |  |               |
|--|---------------------------------|--|---------------|
| CategoryIntegrated Circuits (ICs)Embedded - MicroprocessorsPackage780-BBGA, FCBGASeriesC29x CryptoCore ProcessorPowerPC e500v2Number of Cores/Bus Width1 Core, 32-BitSpeed1.2GHzCo-Processors/DSPSecurity; SECRAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-Ethernet1/0/0/1000 Mbps (2)SATA-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security, FeaturesBot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)  | Manufacturer Part Number        | C293NSE7MMA  |               |
| Embedded - MicroprocessorsPackage780-BBGA, FCBGASeriesC29x CryptoCore ProcessorPowerPC e500v2Number of Cores/Bus Width1 Core, 32-BitSpeed1.2GHzCo-Processors/DSPSecurity; SECRAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/1000 Mbps (2)SATA-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security, FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-FCPBGA (23x23)   | Manufacturer                    | NXP  |               |
| Package780-BBGA, FCBGASeriesC29x CryptoCore ProcessorPowerPC e500v2Number of Cores/Bus Width1 Core, 32-BitSpeed1.2GHzCo-Processors/DSPSecurity; SECRAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/1000 Mbps (2)SATA-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)  | Category                        | Integrated Circuits (ICs)  |               |
| SeriesC29x CryptoCore ProcessorPowerPC e500v2Number of Cores/Bus Width1 Core, 32-BitSpeed1.2GHzCo-Processors/DSPSecurity; SECRAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/1000 Mbps (2)SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-EPBGA (23x23)  |                                 | Embedded - Microprocessors   |               |
| Core ProcessorPowerPC e500v2Number of Cores/Bus Width1 Core, 32-BitSpeed1.2GHzCo-Processors/DSPSecurity; SECRAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-10/100/1000 Mbps (2)10/100/1000 Mbps (2)SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGA  | Package                         | 780-BBGA, FCBGA  |               |
| Number of Cores/Bus Width1 Core, 32-BitSpeed1.2GHzCo-Processors/DSPSecurity; SECRAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/1000 Mbps (2)SATA-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGA  | Series                          | C29x Crypto  |               |
| Speed1.2GHzCo-Processors/DSPSecurity; SECRAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/1000 Mbps (2)SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)  | Core Processor                  | PowerPC e500v2   |               |
| Co-Processors/DSPSecurity; SECRAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/1000 Mbps (2)SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)   | Number of Cores/Bus Width       | 1 Core, 32-Bit   |               |
| RAM ControllersDDR3, DDR3LGraphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/1000 Mbps (2)SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-FCPBGA (23x23)   | Speed                           | 1.2GHz   |               |
| Graphics AccelerationNoDisplay & Interface Controllers-Ethernet10/100/ Mbps (2)SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)   | Co-Processors/DSP               | Security; SEC  |               |
| Display & Interface Controllers-Ethernet10/100/ Mbps (2)SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)  | RAM Controllers                 | DDR3, DDR3L  |               |
| Ethernet10/100/1000 Mbps (2)SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)  | Graphics Acceleration           | No   |               |
| SATA-USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)  | Display & Interface Controllers | -  |               |
| USB-Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)   | Ethernet                        | 10/100/1000 Mbps (2)   |               |
| Voltage - I/O-Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)   | SATA                            | -  |               |
| Operating Temperature0°C ~ 105°C (TA)Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)   | USB                             | -  |               |
| Security FeaturesBoot Security, Cryptography, Random Number Generator, Secure FuseboxPackage / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)  | Voltage - I/O                   | -  |               |
| Package / Case780-BBGA, FCBGASupplier Device Package780-FCPBGA (23x23)   | Operating Temperature           | 0°C ~ 105°C (TA)   |               |
| Supplier Device Package780-FCPBGA (23x23)  | Security Features               | Boot Security, Cryptography, Random Number Generator, Secure Fusebox |               |
|  | Package / Case                  | 780-BBGA, FCBGA  |               |
| Report errors?   | Supplier Device Package         | 780-FCPBGA (23x23)   |               |
|  |                                 | R  | eport errors? |

#### **C293NSE7MMA 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 UARANTEE

#### **Service Guarantees**

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

#### **C293NSE7MMA** Payment Methods





If you have any question about C293NSE7MMA, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com