

LS101MASN7EHA



Part Number: [LS101MASN7EHA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC PROCESSOR DUAL CORE

Data sheet:

RoHs Status: Lead free / RoHS Compliant

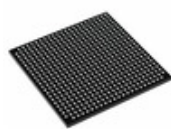
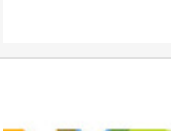
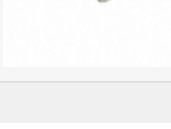
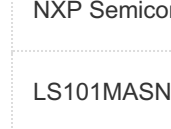
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                |                                  |                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | LS101MASN7EHA                                                                                  | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a> |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | IC PROCESSOR DUAL CORE                                                                         | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                     |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5822 pcs                                                                                       | Data sheet                       |                                                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <a href="#">Integrated Circuits (ICs)</a>                                                      | USB                              | USB 2.0 + PHY (1)                              |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 448-PBGA w/Heat Spreader (23x23)                                                               | Speed                            | 650MHz                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | QorIQ LS1                                                                                      | Security Features                | -                                              |
| SATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -                                                                                              | RAM Controllers                  | DDR2                                           |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Tray                                                                                           | Package / Case                   | 448-FBGA Exposed Pad                           |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 935312227557                                                                                   | Operating Temperature            | 0°C ~ 70°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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GbE (2)                                                                                        | Display & Interface Controllers  | -                                              |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ARM1136JF-S Microprocessor IC QorIQ LS1 1 Core, 32-Bit 650MHz 448-PBGA w/Heat Spreader (23x23) | Core Processor                   | ARM1136JF-S                                    |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | -                                                                                              | Additional Interfaces            | I <sup>2</sup> C, PCIe, PCM/TDM, SPI, UART     |
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|  | Part#: <a href="#">LS101B-GS18</a><br>Description: DIODE SCHOTTKY 50V 30MA SOD80    | Manufacturers: <a href="#">Vishay Semiconductor Diodes Division</a> | <div>RFQ</div> |
|  | Part#: <a href="#">LS101MAXE7DFA</a><br>Description: IC PROCESSOR DUAL CORE         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS101A-GS18</a><br>Description: DIODE SCHOTTKY 60V 30MA SOD80    | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a>         | <div>RFQ</div> |
|  | Part#: <a href="#">LS1020ASN7MQB</a><br>Description: LS1 32BIT ARM SOC 1.2GHZ DDR3/ | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS1020ASE8KQB</a><br>Description: LS1020 32BIT ARM SOC 1GHZ DDR3 | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS1012AXN7KKB</a><br>Description: LS1012A XT 1GHZ RV2            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS1020ASE7MQB</a><br>Description: LS1 32BIT ARM SOC 1.2GHZ DDR3/ | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS101MASE7EHA</a><br>Description: IC PROCESSOR DUAL CORE         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS1020AXE7KQB</a><br>Description: LS1 32BIT ARM SOC 1GHZ DDR3/4  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS101C-GS08</a><br>Description: DIODE SCHOTTKY 40V 30MA SOD80    | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a>         | <div>RFQ</div> |
|  | Part#: <a href="#">LS1020ASE7HNB</a><br>Description: LS1 32BIT ARM SOC 800MHZ DDR3/ | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS101MASN7DFA</a><br>Description: IC PROCESSOR DUAL CORE         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS1020AXE7HNB</a><br>Description: LS1 32BIT ARM SOC 800MHZ DDR3/ | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS1020ASN7HNB</a><br>Description: LS1 32BIT ARM SOC 800MHZ DDR3/ | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS101A-GS08</a><br>Description: DIODE SCHOTTKY 60V 30MA SOD80    | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a>         | <div>RFQ</div> |
|  | Part#: <a href="#">LS101MASE7DFA</a><br>Description: IC PROCESSOR DUAL CORE         | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS101C-GS18</a><br>Description: DIODE SCHOTTKY 40V 30MA SOD80    | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a>         | <div>RFQ</div> |
|  | Part#: <a href="#">LS1020ASN7KQB</a><br>Description: LS1 32BIT ARM SOC 1GHZ DDR3/4  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">LS101B-GS08</a><br>Description: DIODE SCHOTTKY 50V 30MA SOD80    | Manufacturers: <a href="#">Electro-Films (EFI) / Vishay</a>         | <div>RFQ</div> |

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