




NXP Semiconductors / Freescale

MPC8309CVMAGDCA

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| Part Number: | MPC8309CVMAGDCA |
| Manufacturer/Brand: | NXP Semiconductors / Freescale |
| Product description: | IC MPU MPC83XX 400MHZ 489BGA |
| Datasheets: | 1.MPC8309CVMAGDCA.pdf 2.MPC8309CVMAGDCA.pdf |
| RoHS Status: |  Lead free / RoHS Compliant |
| Ship From: | Hong Kong |
| Shipment Way: | DHL/Fedex/TNT/UPS/EMS |

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Image may be representation. See specifications for product details.


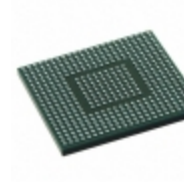

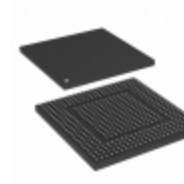
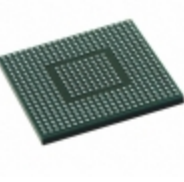


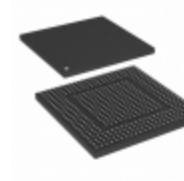

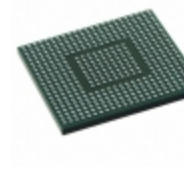
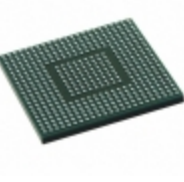
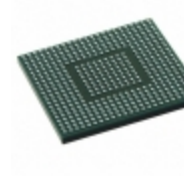
Specifications of MPC8309CVMAGDCA

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|----------------------------------|---|
| PART NUMBER | MPC8309CVMAGDCA |
| MANUFACTURER | NXP Semiconductors / Freescale |
| DESCRIPTION | IC MPU MPC83XX 400MHZ 489BGA |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| DATA SHEET | 1.MPC8309CVMAGDCA.pdf 2.MPC8309CVMAGDCA.pdf |
| VOLTAGE - I/O | 1.8V, 3.3V |
| USB | USB 2.0 (1) |
| SUPPLIER DEVICE PACKAGE | 489-PBGA (19x19) |
| SPEED | 400MHz |
| SERIES | MPC83xx |
| SECURITY FEATURES | - |
| SATA | - |
| RAM CONTROLLERS | DDR2 |
| PACKAGING | Tray |
| PACKAGE / CASE | 489-LFBGA |
| OTHER NAMES | 935311292557 |
| OPERATING TEMPERATURE | -40°C ~ 105°C (TA) |
| NUMBER OF CORES/BUS WIDTH | 1 Core, 32-Bit |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours) |
| MANUFACTURER STANDARD LEAD TIME | 10 Weeks |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| GRAPHICS ACCELERATION | No |
| ETHERNET | 10/100 Mbps (3) |
| DISPLAY & INTERFACE CONTROLLERS | - |
| DETAILED DESCRIPTION | PowerPC e300c3 Microprocessor IC MPC83xx 1 Core, 32-Bit 400MHz 489-PBGA (19x19) |
| CORE PROCESSOR | PowerPC e300c3 |
| CO-PROCESSORS/DSP | Communications; QUICC Engine |
| BASE PART NUMBER | MPC8309 |
| ADDITIONAL INTERFACES | CAN, DUART, I ² C, MMC/SD, PCI, SPI, TDM |

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Related Products

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|  <p>MPC8309CVMAHFCA Manufacturers: NXP Semiconductors / Freescale Description: IC MPU MPC83XX 417MHZ 489BGA In stock: Out stock</p> <p>RFQ</p> |  <p>MPC8309CVMADDCA Manufacturers: NXP Semiconductors / Freescale Description: IC MPU MPC83XX 266MHZ 489BGA In stock: 32 pcs</p> <p>RFQ</p> |
|  <p>MPC8309-SOM Manufacturers: NXP Semiconductors / Freescale Description: MODULE BOARD FOR MPC830X In stock: Out stock</p> <p>RFQ</p> |  <p>MPC8308ZQAGDA Manufacturers: NXP Semiconductors / Freescale Description: IC MPU MPC83XX 400MHZ 473MAPBGA In stock: Out stock</p> <p>RFQ</p> |
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