



NXP Semiconductors / Freescale

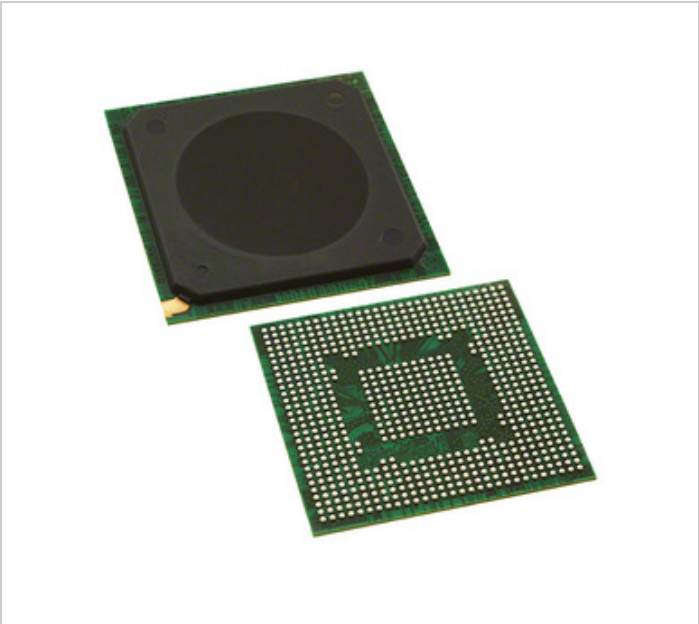


Image may be representation. See specifications for product details.

MPC8377CVRAGD

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MPC8377CVRAGD                                                                                                |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU MPC83XX 400MHZ 689TEBGA                                                                               |
|                     | <a href="#">PDF</a> 1.MPC8377CVRAGD.pdf                                                                      |
|                     | <a href="#">PDF</a> 2.MPC8377CVRAGD.pdf                                                                      |
|                     | <a href="#">PDF</a> 3.MPC8377CVRAGD.pdf                                                                      |
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|                     | <a href="#">PDF</a> 6.MPC8377CVRAGD.pdf                                                                      |
|                     | <a href="#">PDF</a> 7.MPC8377CVRAGD.pdf                                                                      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

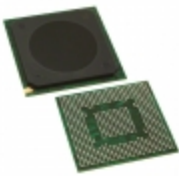
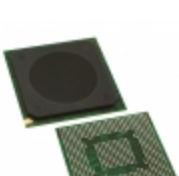
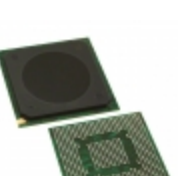
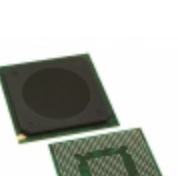
Specifications of MPC8377CVRAGD

|                                  |                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MPC8377CVRAGD                                                                                                                                                                                                                                                                                             |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                            |
| DESCRIPTION                      | IC MPU MPC83XX 400MHZ 689TEBGA                                                                                                                                                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                |
| DATA SHEET                       | <a href="#">PDF</a> 1.MPC8377CVRAGD.pdf<br><a href="#">PDF</a> 2.MPC8377CVRAGD.pdf<br><a href="#">PDF</a> 3.MPC8377CVRAGD.pdf<br><a href="#">PDF</a> 4.MPC8377CVRAGD.pdf<br><a href="#">PDF</a> 5.MPC8377CVRAGD.pdf<br><a href="#">PDF</a> 6.MPC8377CVRAGD.pdf<br><a href="#">PDF</a> 7.MPC8377CVRAGD.pdf |
| VOLTAGE - I/O                    | 1.8V, 2.5V, 3.3V                                                                                                                                                                                                                                                                                          |
| USB                              | USB 2.0 + PHY (1)                                                                                                                                                                                                                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 689-TEPBGA II (31x31)                                                                                                                                                                                                                                                                                     |
| SPEED                            | 400MHz                                                                                                                                                                                                                                                                                                    |
| SERIES                           | MPC83xx                                                                                                                                                                                                                                                                                                   |
| SECURITY FEATURES                | -                                                                                                                                                                                                                                                                                                         |
| SATA                             | SATA 3Gbps (2)                                                                                                                                                                                                                                                                                            |
| RAM CONTROLLERS                  | DDR, DDR2                                                                                                                                                                                                                                                                                                 |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                      |
| PACKAGE / CASE                   | 689-BBGA Exposed Pad                                                                                                                                                                                                                                                                                      |
| OPERATING TEMPERATURE            | -40°C ~ 125°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 (2)                                                                                                                                                                                                                                                                                      |
| DISPLAY & INTERFACE CONTROLLERS  | -                                                                                                                                                                                                                                                                                                         |
| DETAILED DESCRIPTION             | PowerPC e300c4s Microprocessor IC MPC83xx 1 Core, 32-Bit 400MHz 689-TEPBGA II (31x31)                                                                                                                                                                                                                     |
| CORE PROCESSOR                   | PowerPC e300c4s                                                                                                                                                                                                                                                                                           |
| CO-PROCESSORS/DSP                | -                                                                                                                                                                                                                                                                                                         |
| BASE PART NUMBER                 | MPC8377                                                                                                                                                                                                                                                                                                   |
| ADDITIONAL INTERFACES            | DUART, I <sup>2</sup> C, MMC/SD, PCI, SPI                                                                                                                                                                                                                                                                 |

Related Tags

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| Freescale Semiconductor - NXP MPC8377CVRAGD  | NXP USA Inc. MPC8377CVRAGD              |                                                  |

Related Products

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|  <div><b>MPC8377CVRANG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 800MHZ 689TEBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |  <div><b>MPC8360ZUAHFH</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 500MHZ 740TBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |
|  <div><b>MPC8360ZUALFG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 667MHZ 740TBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |  <div><b>MPC8360ZUALFH</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 667MHZ 740TBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |
|  <div><b>MPC8377CVRAJFA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 533MHZ 689TEBGA<br/>In stock: 27 pcs<br/><a href="#">RFQ</a></div>    |  <div><b>MPC8377CVRALGA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br/>In stock: 54 pcs<br/><a href="#">RFQ</a></div>   |
|  <div><b>MPC8360ZUALFHA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 667MHZ 740TBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |  <div><b>MPC8377CVRAJF</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 533MHZ 689TEBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
|  <div><b>MPC8377CVRAGDA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 400MHZ 689TEBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>MPC8360ZUAJDG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 533MHZ 740TBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |
|  <div><b>MPC8377CVRALG</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  |  <div><b>MPC8360ZUAJDGA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 533MHZ 740TBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |