

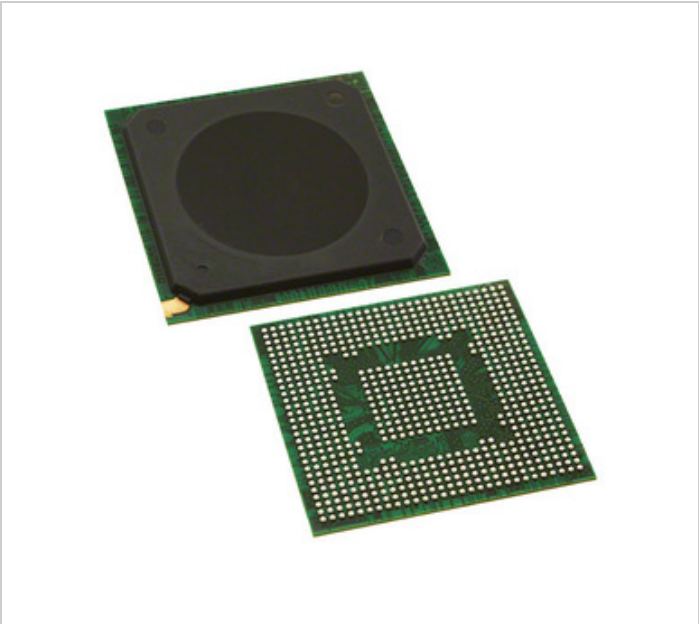


Image may be representation. See specifications for product details.

MPC8377ECVRAGD

|                     |                                                           |
|---------------------|-----------------------------------------------------------|
| Part Number:        | MPC8377ECVRAGD                                            |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                            |
| Product description | IC MPU MPC83XX 400MHZ 689TEBGA                            |
|                     | <a href="#">PDF</a> 1.MPC8377ECVRAGD.pdf                  |
|                     | <a href="#">PDF</a> 2.MPC8377ECVRAGD.pdf                  |
|                     | <a href="#">PDF</a> 3.MPC8377ECVRAGD.pdf                  |
|                     | <a href="#">PDF</a> 4.MPC8377ECVRAGD.pdf                  |
|                     | <a href="#">PDF</a> 5.MPC8377ECVRAGD.pdf                  |
|                     | <a href="#">PDF</a> 6.MPC8377ECVRAGD.pdf                  |
|                     | <a href="#">PDF</a> 7.MPC8377ECVRAGD.pdf                  |
|                     | <a href="#">PDF</a> 8.MPC8377ECVRAGD.pdf                  |
| Datasheets:         |                                                           |
| RoHs Status         | Lead free / RoHS Compliant                                |
| Ship From           | Hong Kong                                                 |
|                     | <a href="#">REQUEST FOR QUOTATION</a> L/Fedex/TNT/UPS/EMS |

Specifications of MPC8377ECVRAGD

|                                  |                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MPC8377ECVRAGD                                                                                                                                                                                                                                                                                                                                               |
| 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.MPC8377ECVRAGD.pdf<br><a href="#">PDF</a> 2.MPC8377ECVRAGD.pdf<br><a href="#">PDF</a> 3.MPC8377ECVRAGD.pdf<br><a href="#">PDF</a> 4.MPC8377ECVRAGD.pdf<br><a href="#">PDF</a> 5.MPC8377ECVRAGD.pdf<br><a href="#">PDF</a> 6.MPC8377ECVRAGD.pdf<br><a href="#">PDF</a> 7.MPC8377ECVRAGD.pdf<br><a href="#">PDF</a> 8.MPC8377ECVRAGD.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                | Cryptography, Random Number Generator                                                                                                                                                                                                                                                                                                                        |
| 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                | Security; SEC 3.0                                                                                                                                                                                                                                                                                                                                            |
| BASE PART NUMBER                 | MPC8377                                                                                                                                                                                                                                                                                                                                                      |
| ADDITIONAL INTERFACES            | DUART, I <sup>2</sup> C, MMC/SD, PCI, SPI                                                                                                                                                                                                                                                                                                                    |

Related Tags

|                                               |                                         |                                                   |
|-----------------------------------------------|-----------------------------------------|---------------------------------------------------|
| NXP Semiconductors / Freescale MPC8377ECVRAGD | MPC8377ECVRAGD Distributor              | MPC8377ECVRAGD Supplier                           |
| MPC8377ECVRAGD Price                          | MPC8377ECVRAGD Pictures                 | MPC8377ECVRAGD Image                              |
| MPC8377ECVRAGD PDF Datasheet                  | MPC8377ECVRAGD Download Datasheet       | MPC8377ECVRAGD Datasheet                          |
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| NXP Semiconductors / Freescale MPC8377ECVRAGD | NXP Semiconductors MPC8377ECVRAGD       | Freescale MPC8377ECVRAGD                          |
| Freescale Semiconductor - NXP MPC8377ECVRAGD  | NXP USA Inc. MPC8377ECVRAGD             |                                                   |

Related Products

|                                                                                                                                                                                     |                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>MPC8377CVRANGA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 800MHZ 689TEBGA<br/>In stock: 54 pcs<br/><a href="#">RFQ</a></div>     |
| <div><b>MPC8377ECVRANG</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>MPC8377ECVRAJFA</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>MPC8377ECVRAJF</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>MPC8377E-MDS-PB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: BOARD MODULAR DEV SYSTEM<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>       |
| <div><b>MPC8377E-RDBA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: BOARD REF DES MPC8377 REV 2.1<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>    | <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>MPC8377ECVRALG</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>MPC8377ECVRALGA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br/>In stock: 27 pcs<br/><a href="#">RFQ</a></div>    |
| <div><b>MPC8377ECVRAGDA</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>MPC8377E800RDBA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: BOARD MPC8377E REV 2.1<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>         |

