

NXP Semiconductors / Freescale

MPC8377ECVRAGD

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MPC8377ECVRAGD                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU MPC83XX 400MHZ 689TEBGA                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 5673 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

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                                                            |
| QUANTITY AVAILABLE               | 5673 pcs                                                                              |
| DATA SHEET                       |                                                                                       |
| 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

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| MPC8377ECVRAGD               | MPC8377ECVRAGD Distributor        | MPC8377ECVRAGD Supplier  |
| MPC8377ECVRAGD Price         | MPC8377ECVRAGD Pictures           | MPC8377ECVRAGD Image     |
| MPC8377ECVRAGD PDF Datasheet | MPC8377ECVRAGD Download Datasheet | MPC8377ECVRAGD Datasheet |
| MPC8377ECVRAGD Stock         | Buy MPC8377ECVRAGD                | Buy MPC8377ECVRAGD       |
| MPC8377ECVRAGD               | Supplier                          | Distributor              |

Related Products

|                                                                                    |                                                                                                                                 |                                                                                      |                                                                                                                                 |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
|  | <b>MPC8377ECVRAJF</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 533MHZ 689TEBGA<br>In stock: 5968 pcs<br><b>RFQ</b>  |  | <b>MPC8377CVRANG</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 800MHZ 689TEBGA<br>In stock: 4191 pcs<br><b>RFQ</b>   |
|  | <b>MPC8377ECVRALGA</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br>In stock: 1089 pcs<br><b>RFQ</b> |  | <b>MPC8377E800RDBA</b><br>Manufacturers: NXP<br>Description: BOARD MPC8377E REV 2.1<br>In stock: 4079 pcs<br><b>RFQ</b>         |
|  | <b>MPC8377ECVRAGDA</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 400MHZ 689TEBGA<br>In stock: 1912 pcs<br><b>RFQ</b> |  | <b>MPC8377ECVRAJFA</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 533MHZ 689TEBGA<br>In stock: 1360 pcs<br><b>RFQ</b> |
|  | <b>MPC8377CVRALGA</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br>In stock: 1575 pcs<br><b>RFQ</b>  |  | <b>MPC8377E-RDBA</b><br>Manufacturers: NXP<br>Description: BOARD REF DES MPC8377 REV 2.1<br>In stock: 5246 pcs<br><b>RFQ</b>    |
|  | <b>MPC8377ECVRALG</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br>In stock: 4491 pcs<br><b>RFQ</b>  |  | <b>MPC8377ECVRANG</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 800MHZ 689TEBGA<br>In stock: 5444 pcs<br><b>RFQ</b>  |
|  | <b>MPC8377E-MDS-PB</b><br>Manufacturers: NXP<br>Description: BOARD MODULAR DEV SYSTEM<br>In stock: 4426 pcs<br><b>RFQ</b>       |  | <b>MPC8377CVRANGA</b><br>Manufacturers: NXP<br>Description: IC MPU MPC83XX 800MHZ 689TEBGA<br>In stock: 1071 pcs<br><b>RFQ</b>  |