

NXP Semiconductors / Freescale



MPC8378ECVRANGA

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MPC8378ECVRANGA                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU MPC83XX 800MHZ 689TEBGA                                                                               |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 1013 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

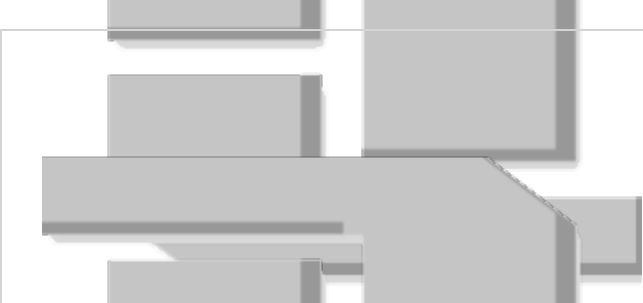
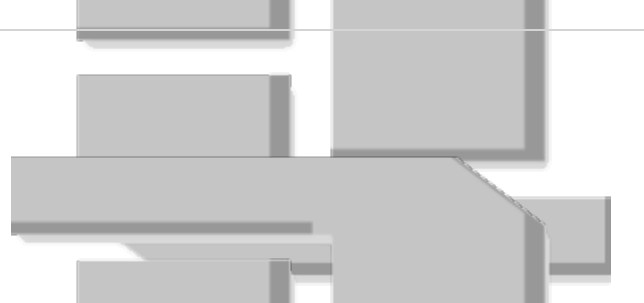
Specifications of MPC8378ECVRANGA

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| PART NUMBER                      | MPC8378ECVRANGA                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                        |
| DESCRIPTION                      | IC MPU MPC83XX 800MHZ 689TEBGA                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                            |
| QUANTITY AVAILABLE               | 1013 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                            | 800MHz                                                                                |
| SERIES                           | MPC83xx                                                                               |
| SECURITY FEATURES                | Cryptography, Random Number Generator                                                 |
| SATA                             | -                                                                                     |
| RAM CONTROLLERS                  | DDR, DDR2                                                                             |
| PACKAGING                        | Tray                                                                                  |
| PACKAGE / CASE                   | 689-BBGA Exposed Pad                                                                  |
| OTHER NAMES                      | 935325618557                                                                          |
| 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 800MHz 689-TEPBGA II (31x31) |
| CORE PROCESSOR                   | PowerPC e300c4s                                                                       |
| CO-PROCESSORS/DSP                | Security; SEC 3.0                                                                     |
| BASE PART NUMBER                 | MPC8378                                                                               |
| ADDITIONAL INTERFACES            | DUART, I²C, MMC/SD, PCI, SPI                                                          |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MPC8378ECVRANGA               | MPC8378ECVRANGA Distributor        | MPC8378ECVRANGA Supplier  |
| MPC8378ECVRANGA Price         | MPC8378ECVRANGA Pictures           | MPC8378ECVRANGA Image     |
| MPC8378ECVRANGA PDF Datasheet | MPC8378ECVRANGA Download Datasheet | MPC8378ECVRANGA Datasheet |
| MPC8378ECVRANGA Stock         | Buy MPC8378ECVRANGA                | Buy MPC8378ECVRANGA       |
| MPC8378ECVRANGA               | Supplier                           | Distributor               |

Related Products

|                                                                                    |                                                                                                                                           |                                                                                      |                                                                                                                                           |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>MPC8378ECVRAGD</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 400MHZ 689TEBGA<br/>In stock: 6172 pcs</p> <p>RFQ</p>  |  | <p><b>MPC8378ECVRALG</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br/>In stock: 5845 pcs</p> <p>RFQ</p>  |
|  | <p><b>MPC8378ECVRAJFA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 533MHZ 689TEBGA<br/>In stock: 1808 pcs</p> <p>RFQ</p> |  | <p><b>MPC8378ECVRAGDA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 400MHZ 689TEBGA<br/>In stock: 1536 pcs</p> <p>RFQ</p> |
|  | <p><b>MPC8378ECVRAJF</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 533MHZ 689TEBGA<br/>In stock: 4826 pcs</p> <p>RFQ</p>  |  | <p><b>MPC8378ECVRAGDA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 400MHZ 689TEBGA<br/>In stock: 5853 pcs</p> <p>RFQ</p> |
|  | <p><b>MPC8378ECVRALG</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br/>In stock: 3286 pcs</p> <p>RFQ</p>  |  | <p><b>MPC8378ECVRALGA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br/>In stock: 1398 pcs</p> <p>RFQ</p> |
|  | <p><b>MPC8378ECVRANG</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 800MHZ 689TEBGA<br/>In stock: 5772 pcs</p> <p>RFQ</p>  |  | <p><b>MPC8378ECVRAJFA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 533MHZ 689TEBGA<br/>In stock: 1702 pcs</p> <p>RFQ</p> |
|  | <p><b>MPC8378ECVRAJF</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 533MHZ 689TEBGA<br/>In stock: 6441 pcs</p> <p>RFQ</p>  |  | <p><b>MPC8378ECVRALGA</b></p> <p>Manufacturers: NXP<br/>Description: IC MPU MPC83XX 667MHZ 689TEBGA<br/>In stock: 1607 pcs</p> <p>RFQ</p> |

