

MPC8378ECVRANGA



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Part Number: MPC8378ECVRANGA

Manufacturer: NXP Semiconductors / Freescale

Description: IC MPU MPC83XX 800MHZ 689TEBGA

Data sheet: 

PDF

eSDHC Data Timeout Errata

PDF

MPC837x PowerQUICC® II Pro Brochure

PDF

SATA-A-006187 Errata

PDF

SATA-A005255 Errata

PDF

TBI Link Status Errata

PDF

USB Errata

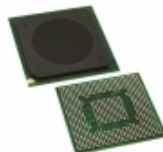
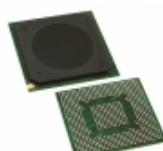
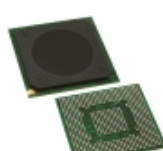
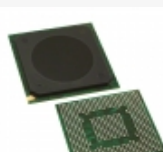
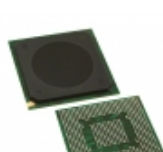
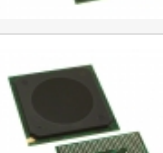
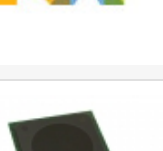
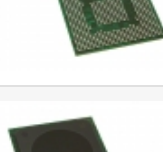
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |                                |                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MPC8378ECVRANGA                           | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                                                                                                                                                                                             |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU MPC83XX 800MHZ 689TEBGA            | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                 |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1391 pcs                                  | Data sheet                     | <div><a href="#">eSDHC Data Timeout Errata</a></div> <div><a href="#">MPC837x PowerQUICC® II Pro Brochure</a></div> <div><a href="#">SATA-A-006187 Errata</a></div> <div><a href="#">SATA-A005255 Errata</a></div> <div><a href="#">TBI Link Status Errata</a></div> <div><a href="#">USB Errata</a></div> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a> | 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                                                                                                                                                                                                                                                                               |
| Component-World.com is a Reliable Stocking Distributor of Electronic Components. We specialize in all NXP Semiconductors / Freescale series electronic components. We have 1391 pieces of NXP Semiconductors / Freescale MPC8378ECVRANGA in stock available now. Request a quote from electronics components distributor at Component-World.com, our sales team will contact you within 24 hours.<br>RFQ Email: <a href="mailto:info@Components-World.com">info@Components-World.com</a> |                                           |                                |                                                                                                                                                                                                                                                                                                            |

| RELATED PRODUCTS                                                                   |                                                                                       |                                                               |                |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MPC8378EVRAGD</a><br>Description: IC MPU MPC83XX 400MHZ 689TEBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378EVRANG</a><br>Description: IC MPU MPC83XX 800MHZ 689TEBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378ECVRAGD</a><br>Description: IC MPU MPC83XX 400MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378VRAGDA</a><br>Description: IC MPU MPC83XX 400MHZ 689TEBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378ECVRAGDA</a><br>Description: IC MPU MPC83XX 400MHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378VRAGD</a><br>Description: IC MPU MPC83XX 400MHZ 689TEBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378EVRAJFA</a><br>Description: IC MPU MPC83XX 533MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378ECVRALG</a><br>Description: IC MPU MPC83XX 667MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378EVRALG</a><br>Description: IC MPU MPC83XX 667MHZ 689TEBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378CVRANGA</a><br>Description: IC MPU MPC83XX 800MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378EVRAJF</a><br>Description: IC MPU MPC83XX 533MHZ 689TEBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378EVRALGA</a><br>Description: IC MPU MPC83XX 667MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378ECVRAJF</a><br>Description: IC MPU MPC83XX 533MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378ECVRAJFA</a><br>Description: IC MPU MPC83XX 533MHZ 689TEBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">MPC8378CVRANG</a><br>Description: IC MPU MPC83XX 800MHZ 689TEBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378E-MDS-PB</a><br>Description: BOARD PROCESSOR FOR MDS S      | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378ECVRANG</a><br>Description: IC MPU MPC83XX 800MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MPC8378EVRANGA</a><br>Description: IC MPU MPC83XX 800MHZ 689TEBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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