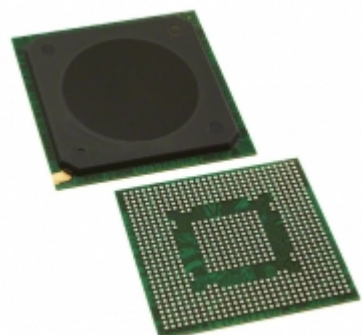


**MPC8377CVRAJFA**



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**Part Number:** [MPC8377CVRAJFA](#)  
**Manufacturer:** [NXP Semiconductors / Freescale](#)  
**Description:** IC MPU MPC83XX 533MHZ 689TEBGA

**RoHS Status:** Lead free / RoHS Compliant  
**Ship From:** Hong Kong  
**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

- Data sheet:**
- [eSDHC Data Timeout Errata](#)
  - [MPC837x PowerQUICC® II Pro Brochure](#)
  - [SATA-A-006187 Errata](#)
  - [MPC8377E](#)
  - [SATA-A005255 Errata](#)
  - [TBI Link Status Errata](#)
  - [USB Errata](#)
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**PRODUCT PARAMETER**

<b>Part Number</b>	<a href="#">MPC8377CVRAJFA</a>
<b>Manufacturer</b>	<a href="#">NXP Semiconductors / Freescale</a>
<b>Description</b>	IC MPU MPC83XX 533MHZ 689TEBGA
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Quantity Available</b>	1900 pcs
<b>Product Photo</b>	<a href="#">MPC8377CVRAJFA.jpg</a>
<b>Category</b>	<a href="#">Integrated Circuits (ICs)</a>
<b>Voltage - I/O</b>	1.8V, 2.5V, 3.3V
<b>USB</b>	USB 2.0 + PHY (1)
<b>Supplier Device Package</b>	689-TEPBGA II (31x31)
<b>Speed</b>	533MHz
<b>Series</b>	MPC83xx
<b>Security Features</b>	-
<b>SATA</b>	SATA 3Gbps (2)
<b>RAM Controllers</b>	DDR, DDR2
<b>Packaging</b>	Tray
<b>Package / Case</b>	689-BBGA Exposed Pad
<b>Other Names</b>	568-13494 935319811557 MPC8377CVRAJFA-ND
<b>Operating Temperature</b>	-40°C ~ 125°C (TA)
<b>Number of Cores/Bus Width</b>	1 Core, 32-Bit
<b>Moisture Sensitivity Level (MSL)</b>	3 (168 Hours)
<b>Lead Free Status / RoHS Status</b>	Lead free / RoHS Compliant
<b>Graphics Acceleration</b>	No
<b>Ethernet</b>	10/100/1000 Mbps (2)
<b>Display &amp; Interface Controllers</b>	-
<b>Detailed Description</b>	PowerPC e300c4s Microprocessor IC MPC83xx 1 Core, 32-Bit 533MHz 689-TEPBGA II (31x31)
<b>Core Processor</b>	PowerPC e300c4s
<b>Co-Processors/DSP</b>	-
<b>Base Part Number</b>	MPC8377
<b>Additional Interfaces</b>	DUART, I <sup>2</sup> C, MMC/SD, PCI, SPI

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	<b>Part#:</b> <a href="#">MPC8377CVRALG</a> <b>Description:</b> IC MPU MPC83XX 667MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5410	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377CVRALGA</a> <b>Description:</b> IC MPU MPC83XX 667MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 1479	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8360ZUAJDGA</a> <b>Description:</b> IC MPU MPC83XX 533MHZ 740TBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5792	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8360ZUAGDGA</a> <b>Description:</b> IC MPU MPC83XX 400MHZ 740TBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5284	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377ECVRAGDA</a> <b>Description:</b> IC MPU MPC83XX 400MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 1471	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8360ZUAJDG</a> <b>Description:</b> IC MPU MPC83XX 533MHZ 740TBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5084	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377CVRAJF</a> <b>Description:</b> IC MPU MPC83XX 533MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 4350	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8360ZUALFG</a> <b>Description:</b> IC MPU MPC83XX 667MHZ 740TBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5192	<a href="#">RFQ</a>
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	<b>Part#:</b> <a href="#">MPC8377CVRAGD</a> <b>Description:</b> IC MPU MPC83XX 400MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 4269	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8360ZUAHFH</a> <b>Description:</b> IC MPU MPC83XX 500MHZ 740TBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 4394	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377E800RDBA</a> <b>Description:</b> BOARD MPC8377E REV 2.1	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5124	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377ECVRAGD</a> <b>Description:</b> IC MPU MPC83XX 400MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 4110	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8360ZUALFH</a> <b>Description:</b> IC MPU MPC83XX 667MHZ 740TBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5145	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377E-MDS-PB</a> <b>Description:</b> BOARD MODULAR DEV SYSTEM	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 5371	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377CVRANGA</a> <b>Description:</b> IC MPU MPC83XX 800MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 1557	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377CVRANG</a> <b>Description:</b> IC MPU MPC83XX 800MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 4562	<a href="#">RFQ</a>
	<b>Part#:</b> <a href="#">MPC8377ECVRAJF</a> <b>Description:</b> IC MPU MPC83XX 533MHZ 689TEBGA	<b>Manufacturers:</b> <a href="#">NXP Semiconductors / Freescale</a> <b>In Stock:</b> 4741	<a href="#">RFQ</a>

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