

MPC8378ECVRALG



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Part Number: [MPC8378ECVRALG](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC83XX 667MHZ 689TEBGA

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

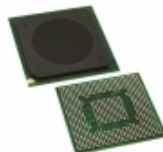
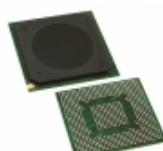
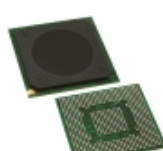
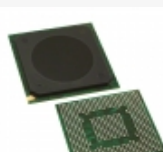
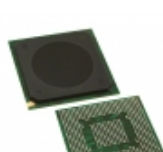
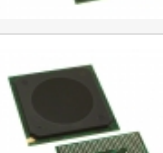
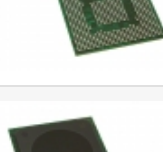
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MPC8378ECVRALG	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU MPC83XX 667MHZ 689TEBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	5760 pcs	Data sheet	eSDHC Data Timeout Errata MPC837x PowerQUICC® II Pro Brochure SATA-A-006187 Errata SATA-A005255 Errata TBI Link Status Errata USB Errata
Category	Integrated Circuits (ICs)	Voltage - I/O	1.8V, 2.5V, 3.3V
USB	USB 2.0 + PHY (1)	Supplier Device Package	689-TEPBGA II (31x31)
Speed	667MHz	Series	MPC83xx
Security Features	Cryptography, Random Number Generator	SATA	-
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 667MHz 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		
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