




NXP Semiconductors / Freescale

## MPC8536EAVJAQGA

Part Number:	MPC8536EAVJAQGA
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MPU SOC 32BIT 1GHZ 783FCBGA
Datasheets:	<a href="#">MPC8536EAVJAQGA.pdf</a>
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.






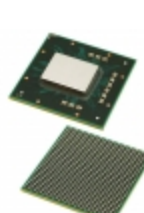

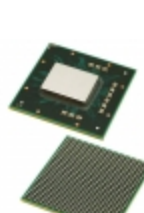

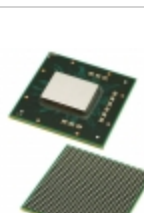


### Specifications of MPC8536EAVJAQGA

PART NUMBER	MPC8536EAVJAQGA
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MPU SOC 32BIT 1GHZ 783FCBGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	<a href="#">MPC8536EAVJAQGA.pdf</a>
VOLTAGE - I/O	1.8V, 2.5V, 3.3V
USB	USB 2.0 (3)
SUPPLIER DEVICE PACKAGE	783-FCBGA (29x29)
SPEED	1.0GHz
SERIES	MPC85xx
SECURITY FEATURES	Cryptography
SATA	SATA 3Gbps (2)
RAM CONTROLLERS	DDR2, DDR3
PACKAGING	Tray
PACKAGE / CASE	783-BBGA, FCBGA
OTHER NAMES	93532493857
OPERATING TEMPERATURE	0°C ~ 90°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 e500 Microprocessor IC MPC85xx 1 Core, 32-Bit 1.0GHz 783-FCBGA (29x29)
CORE PROCESSOR	PowerPC e500
CO-PROCESSORS/DSP	Security; SEC
ADDITIONAL INTERFACES	DUART, I <sup>2</sup> C, MMC/SD, PCI, SPI

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