

MPC8315EVRA

GDA



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Part Number: [MPC8315EVRA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU MPC83XX 400MHZ 620BGA

Data sheet:  [SATA-A-006187 Errata](#)
 [MPC8315E Power QUICC II](#)
 [SATA-A005255 Errata](#)
 [TBI Link Status Errata](#)
 [USB Errata](#)

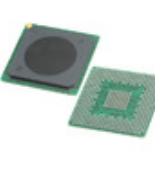
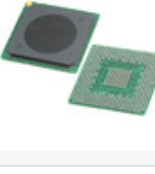
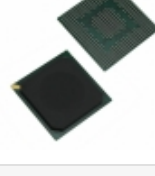
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MPC8315EVRA	Manufacturer	NXP Semiconductors / Freescale
Description	IC MPU MPC83XX 400MHZ 620BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	2638 pcs	Data sheet	SATA-A-006187 Errata MPC8315E Power QUICC II 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	620-PBGA (29x29)
Speed	400MHz	Series	MPC83xx
Security Features	Cryptography, Random Number Generator	SATA	SATA 3Gbps (2)
RAM Controllers	DDR, DDR2	Packaging	Tray
Package / Case	620-BBGA Exposed Pad	Other Names	935324254557
Operating Temperature	0°C ~ 105°C (TA)	Number of Cores/Bus Width	1 Core, 32-Bit
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	10 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	Graphics Acceleration	No
Ethernet	10/100/1000 Mbps (2)	Display & Interface Controllers	-
Detailed Description	PowerPC e300c3 Microprocessor IC MPC83xx 1 Core, 32-Bit 400MHz 620-PBGA (29x29)	Core Processor	PowerPC e300c3
Co-Processors/DSP	Security; SEC 3.3	Base Part Number	MPC8315
Additional Interfaces	DUART, I ² C, PCI, SPI, TDM		
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