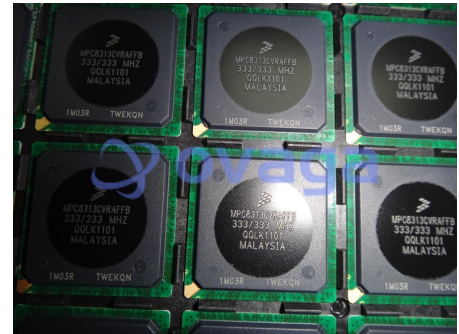


PowerQUICC II Pro Processor, Microcontrollers (MPU), PBGA W/O ENCR

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	PBGA-516
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MPC8313CVRAFFB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MPC8313CVRAFFB is a part number for a PowerQUICC II Pro processor, manufactured by NXP Semiconductors (formerly Freescale Semiconductor). Here are some of its key features:

### Features

CPU: PowerPC e300c3 core running at up to 400 MHz

Memory: 16 KB L1 instruction cache, 16 KB L1 data cache, up to 512 KB L2 cache, supports up to 2 GB of DDR2 or DDR3 SDRAM

Networking: Two Gigabit Ethernet controllers with integrated DMA, supports RGMII and TBI interfaces

Peripheral interfaces: USB 2.0 host and device controllers, UARTs, SPI, I2C, CAN, GPIO, PCI, SD/MMC

Security: Supports DES, 3DES, AES, MD5, SHA-1, SHA-256, RSA, DSA, and RNG hardware accelerators

### Application

MPC8313EVRADDB

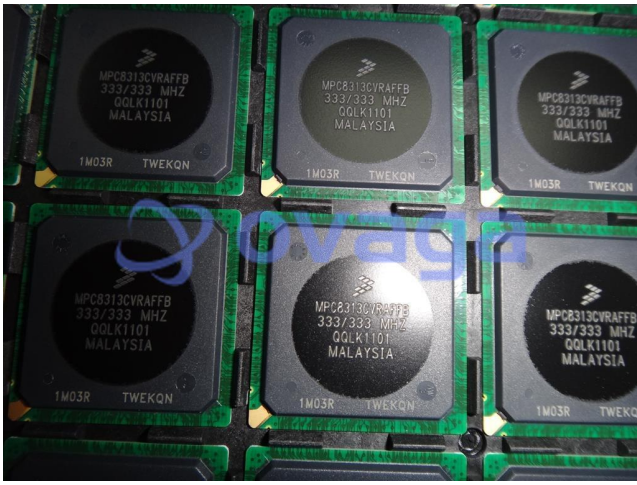
MPC8313VRADDB

MPC8313EVRAGDB

MPC8313VRAGDB

MPC8313CVRAFFA

MPC8313CVRAFDA



## Related Products



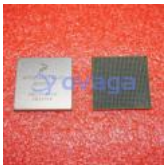
### [MPC860TVR50D4](#)

NXP Semiconductor  
BGA-357



### [MPC852TCVR66A](#)

NXP Semiconductor  
BGA-256



### [MPC8548VTAUJD](#)

NXP Semiconductor  
BGA-783



### [MPC8270CZQMIBA](#)

NXP Semiconductor  
PBGA-516



### [MPC860TZQ50D4](#)

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BGA-357



### [MPC860SRZQ50D4](#)

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357-BBGA



### [MPC860ENCZQ50D4](#)

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BGA357



### [MPC852TVR100A](#)

NXP Semiconductor  
MAPBGA-169