MPC561/MPC562 / MPC563/MPC564 RISC MCU Including Peripheral Pin Multiplexing with Flash and Code Compression Options

Manufacturers	NXP Semiconductor
Package/Case	BGA
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for MPC563MZP56B or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

MPC563MZP56B is a microcontroller unit (MCU) manufactured by NXP Semiconductors. It belongs to the MPC5xxx family of MCUs and is based on the Power Architecture® core technology.
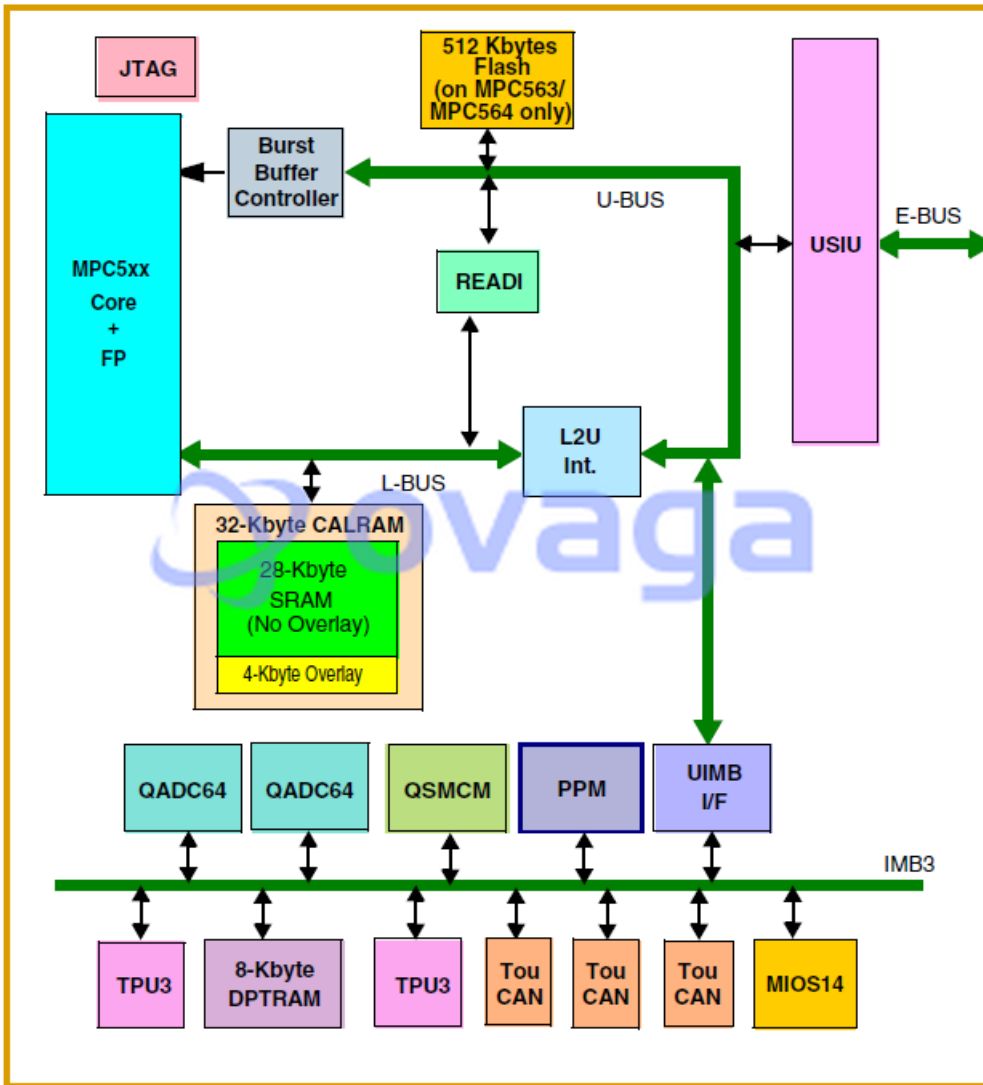
Features

Power Architecture® e200z4d core running at up to 80 MHz

4 MB on-chip flash memory and 192 KB on-chip RAM

10/100 Mbps Ethernet controller

Three 12-bit ADC modules with up to 32 channels

Two 12-bit DAC modules with up to 8 channels

Multiple communication interfaces, including FlexCAN, LINFlex, DSPI, and FlexRay

Comprehensive security features, including a hardware security module, memory protection unit, and secure boot

Application

Automotive systems: engine management, transmission control, chassis control, and body electronics

Industrial control systems: motor control, machine vision, and robotics

Medical devices: patient monitoring and diagnostic equipment

Consumer electronics: smart appliances, home automation systems, and gaming consoles
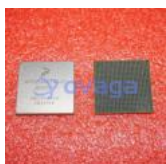
Related Products

[MPC860TVR50D4](#)

NXP Semiconductor

BGA-357

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[MPC8548VTAUJD](#)

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MAPBGA-169

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