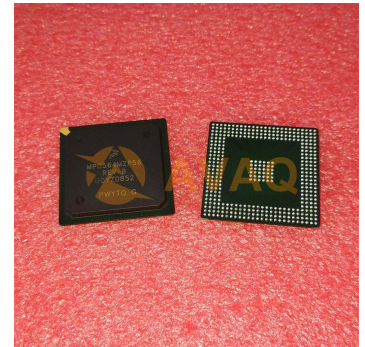


MCU 32-bit PowerPC RISC 512KB Flash 2.6V/5V Automotive 388-Pin BGA Tray

Manufacturer:	NXP Semiconductor
Package/Case:	BGA
Product Type:	Embedded Processors & Controllers
Lifecycle:	NRND



Images are for reference only

[Inquiry](#)

General Description

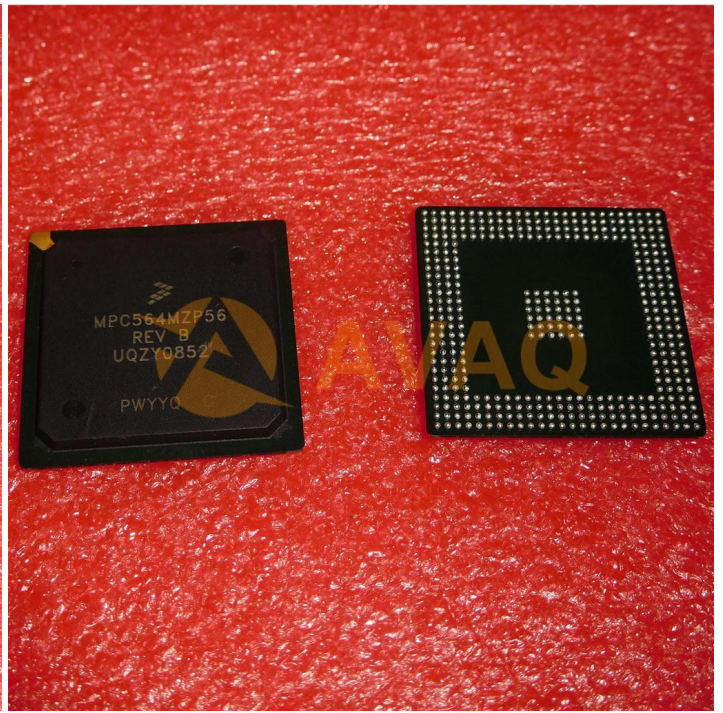
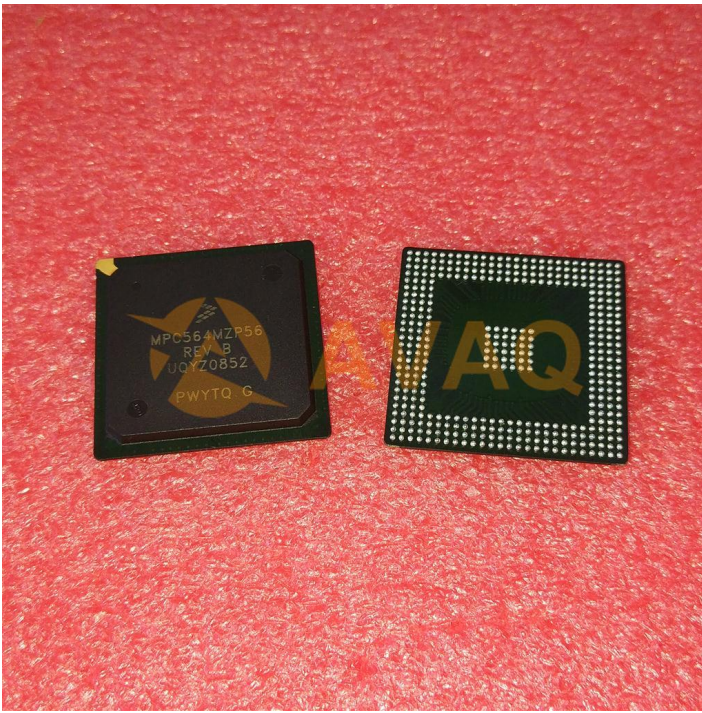
MPC564MZP56 is a microcontroller unit (MCU) developed by NXP Semiconductors. It is part of the MPC5xxx family of MCUs and is designed for use in embedded control applications.

Key Features

- 32-bit Power Architecture® technology
- Single e200z4 core with variable-length encoding (VLE) support
- Operating frequency up to 160 MHz
- 4 MB flash memory, 1 MB SRAM, and 256 KB EEPROM
- Dual-channel Controller Area Network (CAN) with Flexible Data Rate (CAN FD)
- Ethernet MAC with IEEE 1588
- Up to 144 general-purpose input/output (GPIO) pins
- Multiple timers, analog-to-digital converters (ADCs), and communication interfaces (e.g. I2C, SPI)

Application

- MPC5644A from NXP Semiconductors
- SPC5644AF0MVZ1 from Infineon Technologies
- RH850/P1M from Renesas Electronics
- TC29xC172C1FA from Infineon Technologies



Recommended For You

MPC855TZQ50D4

NXP Semiconductor

BGA

MPC880VR133

NXP Semiconductor

BGA

MPC860PZQ80D4

NXP Semiconductor

BGA

MPC5554MZR132

NXP Semiconductor

BGA

MPC5566MVR132

NXP Semiconductor

BGA

MPC852TVR50A

NXP Semiconductor

BGA

MPC855TVR80D4

NXP Semiconductor

BGA

MPC8315VRAGDA

NXP Semiconductor

BGA

MPC8241LVR266D

NXP Semiconductor

BGA

MPC8245LZU266D

NXP Semiconductor

BGA

MPC8250ACZUMHBC

NXP Semiconductor

BGA

MPC8241LVR200D

NXP Semiconductor

BGA

MPC8270CVRMIBA

NXP Semiconductor

BGA

MPC8247VRTIEA

NXP Semiconductor

BGA

MPC5121YVY400B

NXP Semiconductor

BGA