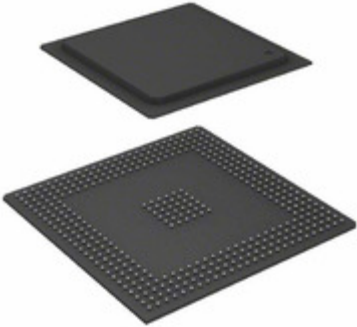


MPC564MZP56R2



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MPC564MZP56R2](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 388BGA

Data sheet:  [MPC561/563 Ref Manual](#)

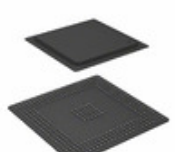
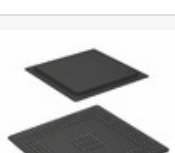
RoHs Status: Contains lead / RoHS non-compliant

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PRODUCT PARAMETER			
Part Number	MPC564MZP56R2	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 388BGA	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	5806 pcs	Data sheet	MPC561/563 Ref Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 2.7 V
Supplier Device Package	388-PBGA (27x27)	Speed	56MHz
Series	MPC5xx	RAM Size	32K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	388-BBGA	Oscillator Type	External
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	56
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
EEPROM Size	-	Detailed Description	PowerPC MPC5xx Microcontroller IC 32-Bit 56MHz 512KB (512K x 8) FLASH 388-PBGA (27x27)
Data Converters	A/D 32x10b	Core Size	32-Bit
Core Processor	PowerPC	Connectivity	CANbus, EBI/EMI, SCI, SPI, UART/USART
Base Part Number	MPC564		
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	Part#: MPC564CVR66 Description: IC MCU 32BIT 512KB FLASH 388BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC564MVR56R2 Description: IC MCU 32BIT 512KB FLASH 388BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MPC565CVR40R2 Description: IC MCU 32BIT 1MB FLASH 388BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC564CZP40 Description: IC MCU 32BIT 512KB FLASH 388BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MPC564MZP66 Description: IC MCU 32BIT 512KB FLASH 388BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MPC565CVR40 Description: IC MCU 32BIT 1MB FLASH 388BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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