

Image may be representation.
See specifications for product details.



MPC565MZP56

Manufacturer Part Number	MPC565MZP56
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MPC565MZP56
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 1MB FLASH 388PBGA
Package	388-BBGA
Data sheet	Cylindrical Battery Holders.pdf

Get a Quote

MPC565MZP56 - NXP USA Inc..New Original in Stock. Download Linear Technology MPC565MZP56 datasheet/specifications on AllelcoElec.com.
Request a quote for MPC565MZP56, please send us email: info@allelco.com

Specifications

MPC565MZP56 Tech Specifications

MPC565MZP56 - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	2.5V ~ 2.7V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	388-PBGA (27x27)	Number of I/O	56
Speed	56MHz	Mounting Type	Surface Mount
Series	MPC5xx	EEPROM Size	-
RAM Size	36K x 8	Data Converters	A/D 40x10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	PowerPC
Peripherals	POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, SCI, SPI, UART/USART
Package / Case	388-BBGA	Base Product Number	MPC565
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC565MZP56

Product Attribute				
Part Number	MPC565MZP56	MPC566MVR56	MPC566CZP56	MPC565CZP56
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	Freescale Semiconductor
Peripherals	POR, PWM, WDT	POR, PWM, WDT	POR, PWM, WDT	POR, PWM, WDT
Series	MPC5xx	MPC5xx	MPC5xx	MPC5xx
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	36K x 8	36K x 8	36K x 8	36K x 8
Voltage - Supply (Vcc/Vdd)	2.5V ~ 2.7V	2.5V ~ 5V	2.5V ~ 2.7V	2.5V ~ 2.7V
Number of I/O	56	56	56	56
Oscillator Type	External	External	External	External
Package / Case	388-BBGA	388-BBGA	388-BBGA	388-BBGA
Data Converters	A/D 40x10b	A/D 40x10b	A/D 40x10b	A/D 40x10b
Core Processor	PowerPC	PowerPC	PowerPC	PowerPC
EEPROM Size	-	-	-	-
Package	Tray	Bulk	Tray	Bulk
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	CANbus, EBI/EMI, SCI, SPI, UART/USART	CANbus, EBI/EMI, SCI, SPI, UART/USART	CANbus, EBI/EMI, SCI, SPI, UART/USART	CANbus, EBI/EMI, SCI, SPI, UART/USART
Supplier Device Package	388-PBGA (27x27)	388-PBGA (27x27)	388-PBGA (27x27)	388-PBGA (27x27)
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Speed	56MHz	56MHz	56MHz	56MHz
Base Product Number	MPC565	MPC566	MPC566	MPC565
Program Memory Size	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)	1MB (1M x 8)

MPC565MZP56 Datasheet PDF

Download MPC565MZP56 pdf datasheets and NXP USA Inc. documentation for MPC565MZP56 - NXP USA Inc..

Datasheets

Cylindrical Battery Holders.pdf


PCN Packaging

All Dev Label Update 15/Dec/2020.pdf

Mult Dev Pkg Seal 15/Dec/2020.pdf





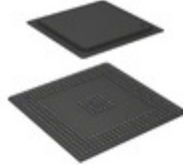






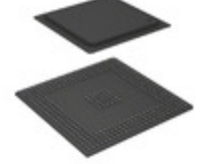






Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

Customers Also Interested in

Recommended Products

		 NO PICTURE			
MPC566MVR56 Freescale Semiconductor IC MCU 32BIT 1MB FLASH 388PBGA	MPC566CZP56 NXP USA Inc. IC MCU 32BIT 1MB FLASH 388PBGA	MPC603RR266LC MOTOROLA	MPC565CZP56 Freescale Semiconductor IC MCU 32BIT 1MB FLASH 388PBGA	MPC565MVR56 NXP USA Inc. IC MCU 32BIT 1MB FLASH 388PBGA	MPC565CZP56 Motorola IC MCU 32BIT 1MB FLASH 388PBGA
		 NO PICTURE			
MPC565MZP56REV D Freescale / NXP Semiconductors	MPC566MVR56 NXP USA Inc. IC MCU 32BIT 1MB FLASH 388PBGA	MPC564MZP56B MOT	MPC565CZP40 Motorola IC MCU 32BIT 1MB FLASH 388PBGA	MPC565CZP40 NXP USA Inc. IC MCU 32BIT 1MB FLASH 388PBGA	MPC564MZP66 NXP USA Inc. IC MCU 32BIT 512KB FLASH 388PBGA
 NO PICTURE			 NO PICTURE		
MPC603ERX133LN MOTOROLA	MPC603RARX300LCH Freescale / NXP Semiconductors	MPC566MZP56 NXP USA Inc. IC MCU 32BIT 1MB FLASH 388PBGA	MPC603ERX100LN MOT	MPC565CZP40 Freescale Semiconductor IC MCU 32BIT 1MB FLASH 388PBGA	MPC565CZP56 NXP USA Inc. IC MCU 32BIT 1MB FLASH 388PBGA

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support



The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

 Efficient Supply Management
 Cost-Saving Procurement
 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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