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See specifications for product details.



MPC5553MZQ132

Manufacturer Part Number	MPC5553MZQ132
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MPC5553MZQ132
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 1.5MB FLASH 324PBGA
Package	324-BBGA
Data sheet	Cylindrical Battery Holders.pdf

Get a Quote

MPC5553MZQ132 - NXP USA Inc..New Original in Stock. Download Linear Technology MPC5553MZQ132 datasheet/specifications on AllelcoElec.com.
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Specifications

MPC5553MZQ132 Tech Specifications
MPC5553MZQ132 - 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)	1.35V ~ 1.65V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	324-PBGA (23x23)	Number of I/O	220
Speed	132MHz	Mounting Type	Surface Mount
Series	MPC55xx Qorivva	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 40x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1.5MB (1.5M x 8)	Core Processor	e200z6
Peripherals	DMA, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, SCI, SPI
Package / Case	324-BBGA	Base Product Number	MPC5553
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MPC5553MZQ132

Product Attribute				
Part Number	MPC5553MZQ132	MPC5554MZP80	MPC5554MVR132	MPC5554MZP132
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Core Processor	e200z6	e200z6	e200z6	e200z6
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Package	Tray	Tray	Tray	Tray
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Base Product Number	MPC5553	MPC5554	MPC5554	MPC5554
Supplier Device Package	324-PBGA (23x23)	416-PBGA (27x27)	416-PBGA (27x27)	416-PBGA (27x27)
Data Converters	A/D 40x12b	A/D 40x12b	A/D 40x12b	A/D 40x12b
Connectivity	CANbus, EBI/EMI, Ethernet, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI
Number of I/O	220	256	256	256
EEPROM Size	-	-	-	-
Speed	132MHz	82MHz	132MHz	132MHz
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Package / Case	324-BBGA	416-BBGA	416-BBGA	416-BBGA
Series	MPC55xx Qorivva	MPC55xx Qorivva	MPC55xx Qorivva	MPC55xx Qorivva
Program Memory Size	1.5MB (1.5M x 8)	2MB (2M x 8)	2MB (2M x 8)	2MB (2M x 8)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply (Vcc/Vdd)	1.35V ~ 1.65V	1.35V ~ 1.65V	1.35V ~ 1.65V	1.35V ~ 1.65V
Oscillator Type	External	External	External	External
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8

MPC5553MZQ132 Datasheet PDF

Download MPC5553MZQ132 pdf datasheets and NXP USA Inc. documentation for MPC5553MZQ132 - 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

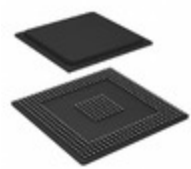
PCN Assembly/Origin



2.73KHz.pdf

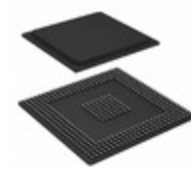
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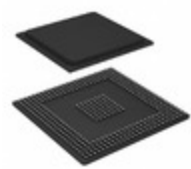
MPC5554MZP80

NXP USA Inc.
IC MCU 32BIT 2MB FLASH 416PBGA



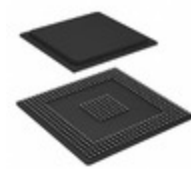
MPC5554MVR132

NXP USA Inc.
IC MCU 32BIT 2MB FLASH 416PBGA



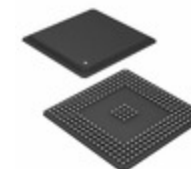
MPC5554MZP132

NXP USA Inc.
IC MCU 32BIT 2MB FLASH 416PBGA



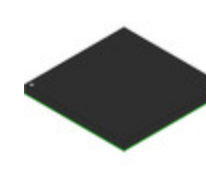
MPC5553MZP132

NXP USA Inc.
IC MCU 32BIT 1.5MB FLASH 416PBGA



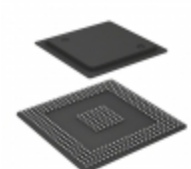
MPC555LFAVR40

NXP USA Inc.
IC MCU 32BIT 448KB FLASH 272PBGA



MPC5554MVR80

Freescale Semiconductor
MICROCONTROLLER, 32-BIT, FLASH, 416PBGA



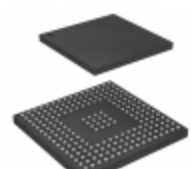
MPC5554MZP112

NXP USA Inc.
IC MCU 32BIT 2MB FLASH 416PBGA



MPC5534EVBE

NXP USA Inc.
MPC5534 EVAL BRD



MPC5534MVM80

NXP USA Inc.
IC MCU 32BIT 1MB FLASH 208MAPBGA



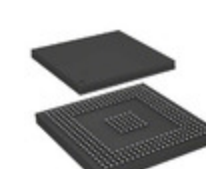
MPC555

PXN



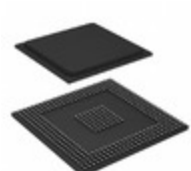
MPC5534EVBE

Freescale Semiconductor
MPC5534 EVAL BRD



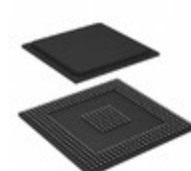
MPC5553MVZ132

NXP USA Inc.
IC MCU 32BIT 1.5MB FLASH 324PBGA



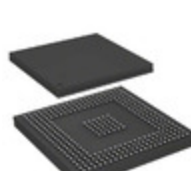
MPC5553MVR132

NXP USA Inc.
IC MCU 32BIT 1.5MB FLASH 416PBGA



MPC5554AZP132

NXP USA Inc.
IC MCU 32BIT 2MB FLASH 416PBGA



MPC5534MZQ80

NXP USA Inc.
IC MCU 32BIT 1MB FLASH 324PBGA



MPC5554MZP112

Freescale Semiconductor
IC MCU 32BIT 2MB FLASH 416PBGA



MPC5534MVF80

Freescale / NXP Semiconductors



MPC555LF8MZP40

Freescale / NXP Semiconductors

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.



Phone

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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