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See specifications for product details.



MPC5553MVZ132

Manufacturer Part Number	MPC5553MVZ132
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MPC5553MVZ132
ECAD Model	3D Model
Parts Description	IC MCU 32BIT 1.5MB FLASH 324PBGA
Package	324-BBGA
Data sheet	MPC5553 Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

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Specifications

MPC5553MVZ132 Tech Specifications

MPC5553MVZ132 - 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. MPC5553MVZ132

Product Attribute				
Part Number	MPC5553MVZ132	MPC5554MVR80	MPC5553MZP132	MPC5553MVR132
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8
Number of I/O	220	256	220	220
Speed	132MHz	80MHz	132MHz	132MHz
Base Product Number	MPC5553	MPC5554	MPC5553	MPC5553
Series	MPC55xx Qorivva	MPC55xx Qorivva	MPC55xx Qorivva	MPC55xx Qorivva
Package / Case	324-BBGA	416-BBGA	416-BBGA	416-BBGA
Oscillator Type	External	External	External	External
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Size	1.5MB (1.5M x 8)	2MB (2M x 8)	1.5MB (1.5M x 8)	1.5MB (1.5M x 8)
Supplier Device Package	324-PBGA (23x23)	416-PBGA (27x27)	416-PBGA (27x27)	416-PBGA (27x27)
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
Connectivity	CANbus, EBI/EMI, Ethernet, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, Ethernet, SCI, SPI	CANbus, EBI/EMI, Ethernet, SCI, SPI
Package	Tray	Bulk	Tray	Tray
Core Processor	e200z6	e200z6	e200z6	e200z6
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Peripherals	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 40x12b	A/D 40x12b	A/D 40x12b	A/D 40x12b
EEPROM Size	-	-	-	-

MPC5553MVZ132 Datasheet PDF

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Datasheets


[MPC5553 Datasheet.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





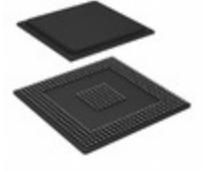
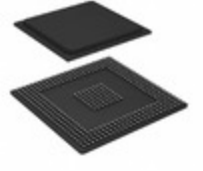
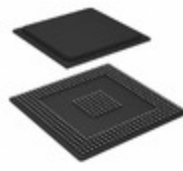
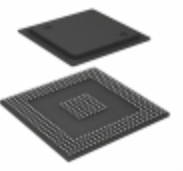
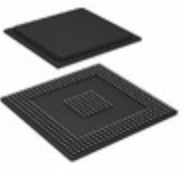


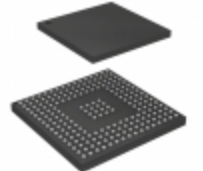

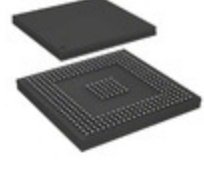
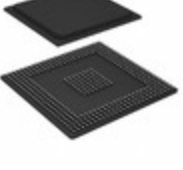
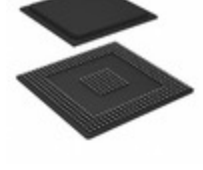

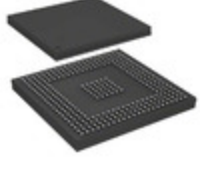
 NXP USA Inc RoHS Cert.pdf

PCN Assembly/Origin

 Burn-In Optimization 01/Aug/2014.pdf

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Recommended Products

					
MPC5534EVBE Freescale Semiconductor MPC5534 EVAL BRD	MPC5534EVBE NXP USA Inc. MPC5534 EVAL BRD	MPC5534MVF80 Freescale / NXP Semiconductors	MPC5554MVR80 Freescale Semiconductor MICROCONTROLLER, 32-BIT, FLASH,	MPC5553MZP132 NXP USA Inc. IC MCU 32BIT 1.5MB FLASH 416PBGA	MPC5553MVR132 NXP USA Inc. IC MCU 32BIT 1.5MB FLASH 416PBGA
					
MPC5554AZP132 NXP USA Inc. IC MCU 32BIT 2MB FLASH 416PBGA	MPC5554MZP112 NXP USA Inc. IC MCU 32BIT 2MB FLASH 416PBGA	MPC5554MZP132 NXP USA Inc. IC MCU 32BIT 2MB FLASH 416PBGA	MPC5517EAMMG66 Freescale / NXP Semiconductors	MPC5517EBCLQ66 Freescale / NXP Semiconductors	MPC5534MVM80 NXP USA Inc. IC MCU 32BIT 1MB FLASH 208MAPBGA
					
MPC5554MZP112 Freescale Semiconductor IC MCU 32BIT 2MB FLASH 416PBGA	MPC5534MZQ80 NXP USA Inc. IC MCU 32BIT 1MB FLASH 324PBGA	MPC5554MZP80 NXP USA Inc. IC MCU 32BIT 2MB FLASH 416PBGA	MPC5554MVR132 NXP USA Inc. IC MCU 32BIT 2MB FLASH 416PBGA	MPC555 PXN	MPC5553MZQ132 NXP USA Inc. IC MCU 32BIT 1.5MB FLASH 324PBGA

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

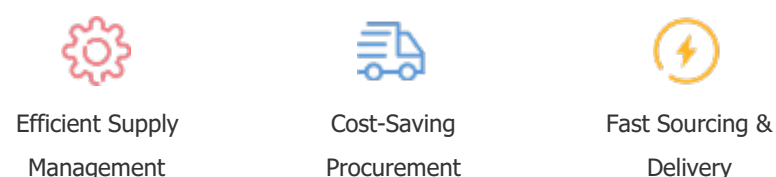
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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