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See specifications for product details.



MCF52258VN80

Manufacturer Part Number	MCF52258VN80
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MCF52258VN80
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32B 512KB FLASH 144MAPBGA
Package	144-LBGA
Data sheet	MCF52259.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCF52258VN80 - NXP USA Inc..New Original in Stock. Download Linear Technology MCF52258VN80 datasheet/specifications on AllelcoElec.com.
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Specifications

MCF52258VN80 Tech Specifications

MCF52258VN80 - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	Operating Temperature	0°C ~ 70°C (TA)
Supplier Device Package	144-MAPBGA (13x13)	Number of I/O	96
Speed	80MHz	Mounting Type	Surface Mount
Series	MCF5225x	EEPROM Size	-
RAM Size	64K x 8	Data Converters	A/D 8x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	512KB (512K x 8)	Core Processor	Coldfire V2
Peripherals	DMA, LVD, POR, PWM, WDT	Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, QSPI, UART/USART, USB OTG
Package / Case	144-LBGA	Base Product Number	MCF52258
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCF52258VN80

Product Attribute				
Part Number	MCF52258VN80	MCF52258CVN66	MCF52258AG80	MCF52258CAG66
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Connectivity	CANbus, EBI/EMI, Ethernet, I ² C, QSPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, QSPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, QSPI, UART/USART, USB OTG	CANbus, EBI/EMI, Ethernet, I ² C, QSPI, UART/USART, USB OTG
Package	Tray	Tray	Tray	Tray
Core Processor	Coldfire V2	Coldfire V2	Coldfire V2	Coldfire V2
Data Converters	A/D 8x12b	A/D 8x12b	A/D 8x12b	A/D 8x12b
Base Product Number	MCF52258	MCF52258	MCF52258	MCF52258
Oscillator Type	Internal	Internal	Internal	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Operating Temperature	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	-40°C ~ 85°C (TA)
EEPROM Size	-	-	-	-
Supplier Device Package	144-MAPBGA (13x13)	144-MAPBGA (13x13)	144-LQFP (20x20)	144-LQFP (20x20)
Program Memory Size	512KB (512K x 8)	512KB (512K x 8)	512KB (512K x 8)	512KB (512K x 8)
Speed	80MHz	66MHz	80MHz	66MHz
RAM Size	64K x 8	64K x 8	64K x 8	64K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Peripherals	DMA, LVD, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT
Number of I/O	96	96	96	96
Package / Case	144-LBGA	144-LBGA	144-LQFP	144-LQFP
Series	MCF5225x	MCF5225x	MCF5225x	MCF5225x

MCF52258VN80 Datasheet PDF

Download MCF52258VN80 pdf datasheets and NXP USA Inc. documentation for MCF52258VN80 - NXP USA Inc..

Datasheets

[MCF52259.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

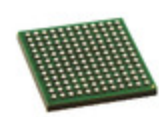
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PCN Obsolescence/ EOL

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Customers Also Interested in

Recommended Products



MCF52258CVN66
NXP USA Inc.
IC MCU 32B 512KB FLASH
144MAPBGA



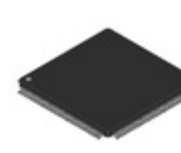
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NXP USA Inc.
IC MCU 32BIT 512KB FLASH
144LQFP



MCF52258CAG66
NXP USA Inc.
IC MCU 32BIT 512KB FLASH
144LQFP



MCF52256AG80
NXP USA Inc.
IC MCU 32BIT 256KB FLASH
144LQFP



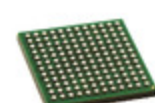
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Freescale Semiconductor
IC MCU 32BIT 512KB FLASH
144LQFP



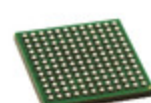
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NXP USA Inc.
IC MCU 32BIT ROMLESS 176LQFP



MCF52259CAG80
NXP USA Inc.
IC MCU 32BIT 512KB FLASH
144LQFP



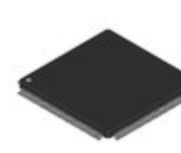
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NXP USA Inc.
IC MCU 32B 256KB FLASH
144MAPBGA



MCF52258VN80J
NXP USA Inc.
IC MCU 32B 512KB FLASH
144MAPBGA



MCF52256CAG66
NXP USA Inc.
IC MCU 32BIT 256KB FLASH
144LQFP



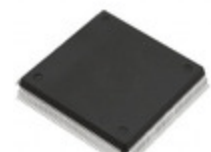
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Freescale Semiconductor
IC MCU 32BIT 512KB FLASH
144LQFP



MCF52258VN80
Freescale Semiconductor
IC MCU 32B 512KB FLASH
144MAPBGA



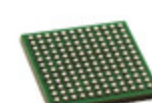
MCF52258VN80J
Freescale Semiconductor
IC MCU 32B 512KB FLASH
144MAPBGA



MCF5232CAB80
NXP USA Inc.
IC MCU 32BIT ROMLESS 160QFP



MCF52256CVN66
Freescale Semiconductor
IC MCU 32B 256KB FLASH
144MAPBGA



MCF52258CVN66J
NXP USA Inc.
IC MCU 32B 512KB FLASH
144MAPBGA



MCF52264AF80
NXP USA Inc.
IC MCU 32BIT 256KB FLASH
100LQFP



MCF52264AF80
Freescale Semiconductor
MCF522XX 32-BIT MCU, COLDFIRE
V2

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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