



Image may be representation.
See specifications for product details.



MAC7116VAG50

Manufacturer Part Number	MAC7116VAG50
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MAC7116VAG50
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 1MB FLASH 144LQFP
Package	144-LQFP
Data sheet	MAC7100 Family Hardware Specifications.pdf MAC7100 Family Reference Manual.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MAC7116VAG50 - NXP USA Inc..New Original in Stock. Download Linear Technology MAC7116VAG50 datasheet/specifications on AllelcoElec.com.
Request a quote for MAC7116VAG50, please send us email: info@allelco.com

Specifications

MAC7116VAG50 Tech Specifications

MAC7116VAG50 - 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)	2.35V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	112
Speed	50MHz	Mounting Type	Surface Mount
Series	MAC7xxx	EEPROM Size	32K x 8
RAM Size	48K x 8	Data Converters	A/D 16x8/10b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	1MB (1M x 8)	Core Processor	ARM7®
Peripherals	DMA, POR	Connectivity	CANbus, EBI/EMI, I²C, SCI, SPI
Package / Case	144-LQFP	Base Product Number	MAC71
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MAC7116VAG50

Product Attribute				
Part Number	MAC7116VAG50	MAC7242VAF64R	MAC7131MVF40	MAC8SMG
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	onsemi
Package / Case	144-LQFP	-	208-BGA	-
Speed	50MHz	-	40MHz	-
Series	MAC7xxx	*	MAC7xxx	*
Operating Temperature	-40°C ~ 105°C (TA)	-	-40°C ~ 125°C (TA)	-
Core Size	32-Bit Single-Core	-	32-Bit Single-Core	-
Peripherals	DMA, POR	-	DMA, POR	-
Package	Tray	Tape & Reel (TR)	Tray	Bulk
Program Memory Size	1MB (1M x 8)	-	512KB (512K x 8)	-
Data Converters	A/D 16x8/10b	-	A/D 32x8/10b	-
Voltage - Supply (Vcc/Vdd)	2.35V ~ 5.5V	-	2.35V ~ 5.5V	-
EEPROM Size	32K x 8	-	32K x 8	-
Oscillator Type	Internal	-	Internal	-
Mounting Type	Surface Mount	-	Surface Mount	-
Connectivity	CANbus, EBI/EMI, I²C, SCI, SPI	-	CANbus, EBI/EMI, I²C, SCI, SPI	-
RAM Size	48K x 8	-	32K x 8	-
Program Memory Type	FLASH	-	FLASH	-
Core Processor	ARM7®	-	ARM7®	-
Base Product Number	MAC71	MAC72	MAC71	MAC8
Supplier Device Package	144-LQFP (20x20)	-	208-BGA (17x17)	-
Number of I/O	112	-	128	-

MAC7116VAG50 Datasheet PDF

Download MAC7116VAG50 pdf datasheets and NXP USA Inc. documentation for MAC7116VAG50 - NXP USA Inc..

Datasheets

[MAC7100 Family Hardware Specifications.pdf](#)

[MAC7100 Family Reference Manual.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 Obsolescence/ EOL

 Mult Dev EOL 19/Jul/2019.pdf

Customers Also Interested in

Recommended Products



MAC7242VAF64R

NXP USA Inc.
IC MCU EXT BUS 100LQFP



MAC8SMG

onsemi
SENSITIVE GATE TRIACS



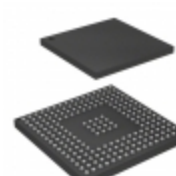
MAC8SD

AMI Semiconductor/onsemi



MAC4DSM

AMI Semiconductor/onsemi



MAC7131MVF40

NXP USA Inc.
IC MCU 32B 544KB FLASH
208MAPBGA



MAC4DSN-1G

Littelfuse Inc.
TRIAC SENS GATE 800V 4A IPAK



MAC4DSNT4G

onsemi
THYRISTOR TRIAC 4A



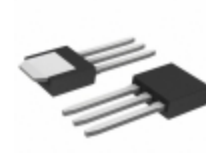
MAC8DG

Littelfuse Inc.
TRIAC 400V 8A TO220AB



MAC4DSMT4G MOS

AMI Semiconductor/onsemi



MAC4DSM-1G

Littelfuse Inc.
TRIAC SENS GATE 600V 4A IPAK



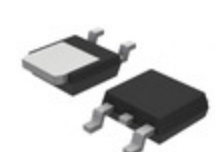
MAC8NG

Littelfuse Inc.
TRIAC 800V 8A TO220AB



MAC4DLMT4G MOS

Hamilin / Littelfuse



MAC4DSNT4G

Littelfuse Inc.
TRIAC SENS GATE 800V 4A DPAK



MAC4DSN-1G

onsemi
TRIAC, 800V, 4A RMS



MAC85NG

AMI Semiconductor/onsemi



MAC8MG

Littelfuse Inc.
TRIAC 600V 8A TO220AB



MAC8DG

onsemi
TRIAC, 400V, 8A, TO-220AB



MAC4DSMT4G

Littelfuse Inc.
TRIAC SENS GATE 600V 4A DPAK

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



View More

