

**MC56F8165VFGE Information**


For Reference Only

**Part Number** [MC56F8165VFGE](#)  
**Manufacturer** NXP  
**Category** Integrated Circuits (ICs)  
[Embedded - Microcontrollers](#)  
**Description** IC MCU 16BIT 512KB FLASH 128LQFP  
**Package** 128-LQFP  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)


[Request a Quote](#)
**Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.


**MC56F8165VFGE Specifications**

Manufacturer Part Number	<a href="#">MC56F8165VFGE</a>
Manufacturer	NXP
Category	Integrated Circuits (ICs) <a href="#">Embedded - Microcontrollers</a>
Package	128-LQFP
Series	56F8xxx
Core Processor	56800E
Core Size	16-Bit
Speed	40MHz
Connectivity	EBI/EMI, SCI, SPI
Peripherals	POR, PWM, WDT
Number of I/O	49
Program Memory Size	512KB (256K x 16)
Program Memory Type	FLASH
EEPROM Size	-
RAM Size	16K x 16
Voltage - Supply (Vcc/Vdd)	2.25 V ~ 3.6 V
Data Converters	A/D 16x12b
Oscillator Type	External
Operating Temperature	-40°C ~ 105°C (TA)
Mounting Type	-
Package / Case	128-LQFP
Supplier Device Package	128-LQFP (14x20)

[Report errors?](#)

## MC56F8165VFGE Guarantees



### Quality Guarantees

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## MC56F8165VFGE Payment Methods



## MC56F8165VFGE Shipping Methods



If you have any question about MC56F8165VFGE, please do not hesitate to contact us!

Website: <https://www.heisener.com>

E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)