

Image may be representation.  
See specifications for product details.



## MC56F8345MFGE

Manufacturer Part Number	<b>MC56F8345MFGE</b>
Manufacturer	<b>Freescale Semiconductor, Inc. (NXP Semiconductors)</b>
Allelco Part Number	32D-MC56F8345MFGE
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 128KB FLASH 128LQFP
Package	128-LQFP
Data sheet	MC56F8345MFGE.pdf

**Get a Quote**

MC56F8345MFGE - Freescale Semiconductor. New Original in Stock. Download Linear Technology MC56F8345MFGE datasheet/specifications on AllelcoElec.com.  
Request a quote for MC56F8345MFGE, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MC56F8345MFGE Tech Specifications

MC56F8345MFGE - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	2.25V ~ 3.6V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	128-LQFP (14x20)	Number of I/O	49
Speed	60MHz	Mounting Type	Surface Mount
Series	56F8xxx	EEPROM Size	-
RAM Size	6K x 16	Data Converters	A/D 16x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (64K x 16)	Core Processor	56800E
Peripherals	POR, PWM, Temp Sensor, WDT	Connectivity	CANbus, EBI/EMI, SCI, SPI
Package / Case	128-LQFP	Base Product Number	MC56F83
Package	Bulk		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor MC56F8345MFGE

Product Attribute				
Part Number	MC56F8345MFGE	MC56F8346VFVE	MC56F8345MFGE	MC56F8322MFAE
Manufacturer	Freescale Semiconductor	Freescale Semiconductor	NXP USA Inc.	Freescale Semiconductor
Series	56F8xxx	56F8xxx	56F8xxx	56F8xxx
Oscillator Type	External	External	External	Internal
Package	Bulk	Bulk	Tray	Bulk
Data Converters	A/D 16x12b	A/D 16x12b	A/D 16x12b	A/D 6x12b
Connectivity	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, SCI, SPI
Base Product Number	MC56F83	MC56F83	MC56F83	MC56F83
RAM Size	6K x 16	6K x 16	6K x 16	6K x 16
Voltage - Supply (Vcc/Vdd)	2.25V ~ 3.6V	2.25V ~ 3.6V	2.25V ~ 3.6V	2.25V ~ 3.6V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Supplier Device Package	128-LQFP (14x20)	144-LQFP (20x20)	128-LQFP (14x20)	48-LQFP (7x7)
Program Memory Size	128KB (64K x 16)	128KB (64K x 16)	128KB (64K x 16)	32KB (16K x 16)
Number of I/O	49	62	49	21
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Core Processor	56800E	56800E	56800E	56800E
Peripherals	POR, PWM, Temp Sensor, WDT	POR, PWM, Temp Sensor, WDT	POR, PWM, Temp Sensor, WDT	POR, PWM, Temp Sensor, WDT
Speed	60MHz	60MHz	60MHz	60MHz
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 125°C (TA)
Package / Case	128-LQFP	144-LQFP	128-LQFP	48-LQFP

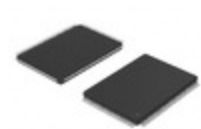
### Customers Also Interested in

#### Recommended Products



**MC56F8346VFVE**

Freescale Semiconductor  
IC MCU 16BIT 128KB FLASH  
144LQFP



**MC56F8345MFGE**

NXP USA Inc.  
IC MCU 16BIT 128KB FLASH  
128LQFP



**MC56F8322MFAE**

Freescale Semiconductor  
IC MCU 16BIT 32KB FLASH 48LQFP



**MC56F8346VFVER2**

NXP USA Inc.  
IC MCU 16BIT 128KB FLASH  
144LQFP



**MC56F8346VFVE**

NXP USA Inc.  
IC MCU 16BIT 128KB FLASH  
144LQFP



**MC56F8346VFV60**

Freescale / NXP Semiconductors

					
<b>MC56F8345VFGE</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 128LQFP	<b>MC56F8323VFB60</b> NXP USA Inc. IC MCU 16BIT 32KB FLASH 64LQFP	<b>MC56F8335MFGE</b> NXP USA Inc. IC MCU 16BIT 64KB FLASH 128LQFP	<b>MC56F8335MFGE</b> Freescale Semiconductor IC MCU 16BIT 64KB FLASH 128LQFP	<b>MC56F8335VFGE</b> NXP USA Inc. IC MCU 16BIT 64KB FLASH 128LQFP	<b>MC56F8346MFVE</b> NXP USA Inc. IC MCU 16BIT 128KB FLASH 144LQFP
					
<b>MC56F8323VFBE</b> NXP USA Inc. IC MCU 16BIT 32KB FLASH 64LQFP	<b>MC56F8345VFG60</b> Freescale / NXP Semiconductors	<b>MC56F8322VFAE</b> NXP USA Inc. IC MCU 16BIT 32KB FLASH 48LQFP	<b>MC56F8322MFAE</b> NXP USA Inc. IC MCU 16BIT 32KB FLASH 48LQFP	<b>MC56F8322MFVE</b> NS	<b>MC56F8346VFVER2</b> Freescale Semiconductor IC MCU 16BIT 128KB FLASH 144LQFP

## 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.



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-  Efficient Supply Management
-  Cost-Saving Procurement
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Contact us if you have any questions.

-  Phone  
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## Certifications & Memberships



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