



Image may be representation.
See specifications for product details.



MC56F8345VFGE

Manufacturer Part Number	MC56F8345VFGE
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC56F8345VFGE
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 16BIT 128KB FLASH 128LQFP
Package	128-LQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC56F8345VFGE - NXP USA Inc..New Original in Stock. Download Linear Technology MC56F8345VFGE datasheet/specifications on AllelcoElec.com.
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Specifications

MC56F8345VFGE Tech Specifications

MC56F8345VFGE - 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)	2.25V ~ 3.6V	Operating Temperature	-40°C ~ 105°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	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC56F8345VFGE

Product Attribute				
Part Number	MC56F8345VFGE	MC56F8347MPYE	MC56F8346VFVE	MC56F8347MPYE
Manufacturer	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.
Oscillator Type	External	External	External	External
Program Memory Size	128KB (64K x 16)	128KB (64K x 16)	128KB (64K x 16)	128KB (64K x 16)
Number of I/O	49	76	62	76
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Data Converters	A/D 16x12b	A/D 16x12b	A/D 16x12b	A/D 16x12b
EEPROM Size	-	-	-	-
Supplier Device Package	128-LQFP (14x20)	160-LQFP (24x24)	144-LQFP (20x20)	160-LQFP (24x24)
Speed	60MHz	60MHz	60MHz	60MHz
Series	56F8xxx	56F8xxx	56F8xxx	56F8xxx
Peripherals	POR, PWM, Temp Sensor, WDT	POR, PWM, Temp Sensor, WDT	POR, PWM, Temp Sensor, WDT	POR, PWM, Temp Sensor, WDT
RAM Size	6K x 16	6K x 16	6K x 16	6K x 16
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI	CANbus, EBI/EMI, SCI, SPI
Base Product Number	MC56F83	MC56F83	MC56F83	MC56F83
Package	Tray	Bulk	Tray	Tray
Package / Case	128-LQFP	160-LQFP	144-LQFP	160-LQFP
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 125°C (TA)
Voltage - Supply (Vcc/Vdd)	2.25V ~ 3.6V	2.25V ~ 3.6V	2.25V ~ 3.6V	2.25V ~ 3.6V
Core Processor	56800E	56800E	56800E	56800E

MC56F8345VFGE Datasheet PDF

Download MC56F8345VFGE pdf datasheets and NXP USA Inc. documentation for MC56F8345VFGE - NXP USA Inc..

Datasheets


[Cylindrical Battery Holders.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

 2.73KHz.pdf

PCN Design/Specification

 Cylindrical Battery Holders.pdf

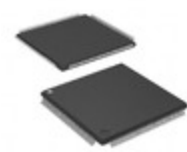
Customers Also Interested in

Recommended Products



MC56F8347MPYE

Freescle Semiconductor
IC MCU 16BIT 128KB FLASH
160LQFP



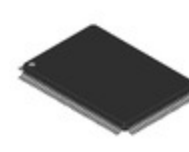
MC56F8346VFVE

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



MC56F8347MPYE

NXP USA Inc.
IC MCU 16BIT 128KB FLASH
160LQFP



MC56F8345MFGE

Freescle Semiconductor
IC MCU 16BIT 128KB FLASH
128LQFP



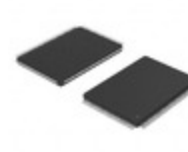
MC56F8346VFVER2

Freescle Semiconductor
IC MCU 16BIT 128KB FLASH
144LQFP



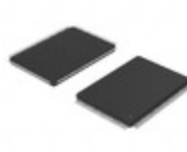
MC56F8346MFVE

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



MC56F8335MFGE

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 128LQFP



MC56F8335VFGE

NXP USA Inc.
IC MCU 16BIT 64KB FLASH 128LQFP



MC56F8323VFB60

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 64LQFP



MC56F8347VPYE

NXP USA Inc.
IC MCU 16BIT 128KB FLASH
160LQFP



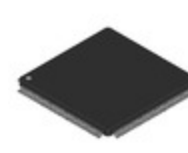
MC56F8335MFGE

Freescle Semiconductor
IC MCU 16BIT 64KB FLASH 128LQFP



MC56F8346VFVER2

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



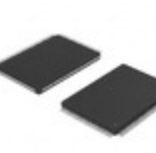
MC56F8346VFVE

Freescle Semiconductor
IC MCU 16BIT 128KB FLASH
144LQFP



MC56F8355MFG60

Freescle / NXP Semiconductors



MC56F8345MFGE

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



MC56F8345VFG60

Freescle / NXP Semiconductors



MC56F8323VFB60

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 64LQFP



MC56F8346VFB60

Freescle / NXP Semiconductors

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
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-  Email
info@allelco.com

Certifications & Memberships



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