

Image may be representation.
See specifications for product details.



MC56F8257MLH

Manufacturer Part Number	MC56F8257MLH
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC56F8257MLH
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 16BIT 64KB FLASH 64LQFP
Package	64-LQFP
Data sheet	MC56F825x/824x Product Brief.pdf MC56F82xx Fact Sheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC56F8257MLH - NXP USA Inc..New Original in Stock. Download Linear Technology MC56F8257MLH datasheet/specifications on AllelcoElec.com.
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Specifications

MC56F8257MLH Tech Specifications

MC56F8257MLH - 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	-40°C ~ 125°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	54
Speed	60MHz	Mounting Type	Surface Mount
Series	56F8xxx	EEPROM Size	-
RAM Size	4K x 16	Data Converters	A/D 16x12b; D/A 1x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	64KB (32K x 16)	Core Processor	56800E
Peripherals	LVD, POR, PWM, WDT	Connectivity	CANbus, I ² C, LINbus, SCI, SPI
Package / Case	64-LQFP	Base Product Number	MC56F82
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC56F8257MLH

Product Attribute				
Part Number	MC56F8257MLH	MC56F8246VLF	MC56F82723VLC	MC56F82646VLF
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Oscillator Type	Internal	Internal	Internal	Internal
Supplier Device Package	64-LQFP (10x10)	48-LQFP (7x7)	32-LQFP (7x7)	48-LQFP (7x7)
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	DMA, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT
Core Processor	56800E	56800E	56800EX	56800EX
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	2.7V ~ 3.6V	2.7V ~ 3.6V
RAM Size	4K x 16	3K x 16	3K x 16	8K x 8
Series	56F8xxx	56F8xxx	56F8xxx	56F8xxx
Data Converters	A/D 16x12b; D/A 1x12b	A/D 10x12b; D/A 1x12b	A/D 6x12b; D/A 2x12b	A/D 10x12b
Program Memory Size	64KB (32K x 16)	48KB (24K x 16)	32KB (16K x 16)	64KB (32K x 16)
Core Size	16-Bit	16-Bit	32-Bit Single-Core	32-Bit Single-Core
Base Product Number	MC56F82	MC56F82	MC56F82	MC56F82
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	CANbus, I ² C, LINbus, SCI, SPI	CANbus, I ² C, LINbus, SCI, SPI	I ² C, SCI, SPI	SCI
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	64-LQFP	48-LQFP	32-LQFP	48-LQFP
Speed	60MHz	60MHz	100MHz	100MHz
Package	Tray	Tray	Tray	Tray
Number of I/O	54	39	26	39
EEPROM Size	-	-	-	-

MC56F8257MLH Datasheet PDF

Download MC56F8257MLH pdf datasheets and NXP USA Inc. documentation for MC56F8257MLH - NXP USA Inc..

Datasheets

[MC56F825x/824x Product Brief.pdf](#)

[MC56F82xx Fact Sheet.pdf](#)

Environmental Information

[NXP USA Inc REACH.pdf](#)

[NXP USA Inc RoHS Cert.pdf](#)

PCN Assembly/Origin


 Mult Dev A/T Chg 20/Apr/2021.pdf

PCN Packaging

 Mult Dev Pkg Seal 15/Dec/2020.pdf




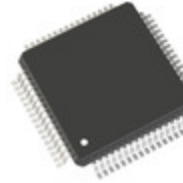




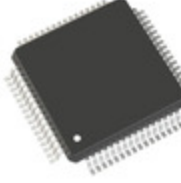









 Mult Dev Pkg Chgs 8/Feb/2022.pdf

Errata

 MC56F825x/MC56F824x Errata.pdf

Customers Also Interested in

Recommended Products

					
MC56F8246VLF NXP USA Inc. IC MCU 16BIT 48KB FLASH 48LQFP	MC56F82723VLC NXP USA Inc. IC MCU 32BIT 32KB FLASH 32LQFP	MC56F82646VLF NXP USA Inc. IC MCU 32BIT 64KB FLASH 48LQFP	MC56F8247MLH NXP USA Inc. IC MCU 16BIT 48KB FLASH 64LQFP	MC56F8246MLF NXP USA Inc. IC MCU 16BIT 48KB FLASH 48LQFP	MC56F82723VLC Freescale Semiconductor IC MCU 32BIT 32KB FLASH 32LQFP
					
MC56F8247VLRH Freescale Semiconductor IC MCU 16BIT 48KB FLASH 64LQFP	MC56F8247VLH NXP USA Inc. IC MCU 16BIT 48KB FLASH 64LQFP	MC56F8257VLH NXP USA Inc. IC MCU 16BIT 64KB FLASH 64LQFP	MC56F8256VLF NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	MC56F82726VLF NXP USA Inc. IC MCU 32BIT 32KB FLASH 48LQFP	MC56F8256VLF Freescale Semiconductor IC MCU 16BIT 64KB FLASH 48LQFP
					
MC56F8246MLF Freescale Semiconductor IC MCU 16BIT 48KB FLASH 48LQFP	MC56F8247VLRH NXP USA Inc. IC MCU 16BIT 48KB FLASH 64LQFP	MC56F82726VLF NXP USA Inc. IC MCU 32BIT 32KB FLASH 48LQFP	MC56F8255VLD NXP USA Inc. IC MCU 16BIT 64KB FLASH 44LQFP	MC56F82726VLF Freescale Semiconductor IC MCU 32BIT 32KB FLASH 48LQFP	MC56F82623VLC NXP USA Inc. IC MCU 32BIT 32KB FLASH 32LQFP

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 Alleco 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
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