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See specifications for product details.



MC56F8037VLH

Manufacturer Part Number	MC56F8037VLH
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC56F8037VLH
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 16BIT 64KB FLASH 64LQFP
Package	64-LQFP
Data sheet	MC56F8027/8037.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC56F8037VLH - NXP USA Inc..New Original in Stock. Download Linear Technology MC56F8037VLH datasheet/specifications on AllelcoElec.com.
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Specifications

MC56F8037VLH Tech Specifications

MC56F8037VLH - 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 ~ 105°C (TA)
Supplier Device Package	64-LQFP (10x10)	Number of I/O	53
Speed	32MHz	Mounting Type	Surface Mount
Series	56F8xxx	EEPROM Size	-
RAM Size	4K x 16	Data Converters	A/D 16x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	64KB (32K x 16)	Core Processor	56800E
Peripherals	POR, PWM, WDT	Connectivity	CANbus, I ² C, SCI, SPI
Package / Case	64-LQFP	Base Product Number	MC56F80
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC56F8037VLH

Product Attribute				
Part Number	MC56F8037VLH	MC56F8037VLR	MC56F8122VFAE	MC56F8145VFGE
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescal Semiconductor	NXP USA Inc.
Series	56F8xxx	56F8xxx	56F8xxx	56F8xxx
Package	Tray	Tape & Reel (TR)	Bulk	Tray
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	2.25V ~ 3.6V	2.25V ~ 3.6V
RAM Size	4K x 16	4K x 16	4K x 16	4K x 16
Connectivity	CANbus, I ² C, SCI, SPI	CANbus, I ² C, SCI, SPI	SCI, SPI	EBI/EMI, SCI, SPI
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Oscillator Type	Internal	Internal	Internal	External
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Speed	32MHz	32MHz	40MHz	40MHz
Data Converters	A/D 16x12b; D/A 2x12b	A/D 16x12b; D/A 2x12b	A/D 6x12b	A/D 16x12b
EEPROM Size	-	-	-	-
Supplier Device Package	64-LQFP (10x10)	64-LQFP (10x10)	48-LQFP (7x7)	128-LQFP (14x20)
Base Product Number	MC56F80	MC56F80	MC56F81	MC56F81
Program Memory Size	64KB (32K x 16)	64KB (32K x 16)	32KB (16K x 16)	128KB (64K x 16)
Number of I/O	53	53	21	49
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Core Processor	56800E	56800E	56800E	56800E
Package / Case	64-LQFP	64-LQFP	48-LQFP	128-LQFP
Peripherals	POR, PWM, WDT	POR, PWM, WDT	POR, WDT	POR, PWM, WDT

MC56F8037VLH Datasheet PDF

Download MC56F8037VLH pdf datasheets and NXP USA Inc. documentation for MC56F8037VLH - NXP USA Inc..

Datasheets

[MC56F8027/8037.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




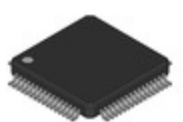








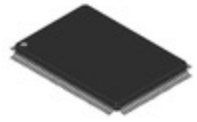

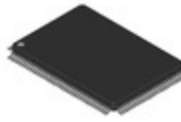



PCN Packaging

 Mult Dev Pkg Seal 15/Dec/2020.pdf

 Mult Dev Pkg Chgs 8/Feb/2022.pdf

Customers Also Interested in

Recommended Products

					
MC56F8037VLHR NXP USA Inc. IC MCU 16BIT 64KB FLASH 64LQFP	MC56F8122VFAE Freescale Semiconductor IC MCU 16BIT 32KB FLASH 48LQFP	MC56F8145VFGE NXP USA Inc. IC MCU 16BIT 128KB FLASH 128LQFP	MC56F8037VLH Freescale Semiconductor IC MCU 16BIT 64KB FLASH 64LQFP	MC56F8135VFGE NXP USA Inc. IC MCU 16BIT 64KB FLASH 128LQFP	MC56F8035VLD NXP USA Inc. IC MCU 16BIT 64KB FLASH 44LQFP
					
MC56F8123VFBE NXP USA Inc. IC MCU 16BIT 32KB FLASH 64LQFP	MC56F8037V1M67E Freescale / NXP Semiconductors	MC56F8123VFBE Freescale Semiconductor IC MCU 16BIT 32KB FLASH 64LQFP	MC56F8037MLH NXP USA Inc. IC MCU 16BIT 64KB FLASH 64LQFP	MC56F8122VFAE NXP USA Inc. IC MCU 16BIT 32KB FLASH 48LQFP	MC56F8035VLD NXP USA Inc. IC MCU 16BIT 64KB FLASH 44LQFP
					
MC56F8145VFGE Freescale Semiconductor IC MCU 16BIT 128KB FLASH 128LQFP	MC56F8037M Freescale / NXP Semiconductors	MC56F8135VFGE Freescale Semiconductor IC MCU 16BIT 64KB FLASH 128LQFP	MC56F8036VLF NXP USA Inc. IC MCU 16BIT 64KB FLASH 48LQFP	MC56F8037VLHR Freescale Semiconductor IC MCU 16BIT 64KB FLASH 64LQFP	MC56F8037V Freescale / 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

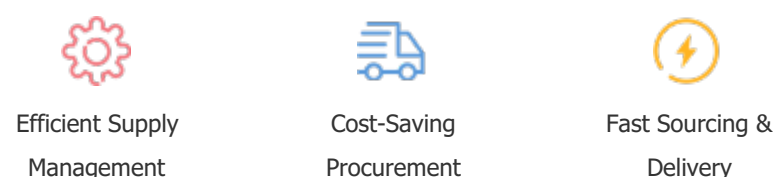
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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