



Image may be representation.  
See specifications for product details.



## DS80C310-QCG+

Manufacturer Part Number	<b>DS80C310-QCG+</b>
Manufacturer	<b>Maxim Integrated</b>
Allelco Part Number	32D-DS80C310-QCG+
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT ROMLESS 44PLCC
Package	44-LCC (J-Lead)
Data sheet	<b>DS80C310.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

DS80C310-QCG+ - Analog Devices Inc./Maxim Integrated.New Original in Stock. Download Linear Technology DS80C310-QCG+ datasheet/specifications on AllelcoElec.com.  
Request a quote for DS80C310-QCG+, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

DS80C310-QCG+ Tech Specifications

DS80C310-QCG+ - Analog Devices Inc./Maxim Integrated technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Maxim Integrated	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	Operating Temperature	0°C ~ 70°C (TA)
Supplier Device Package	44-PLCC (16.59x16.59)	Number of I/O	32
Speed	25MHz	Mounting Type	Surface Mount
Series	80C	EEPROM Size	-
RAM Size	256 x 8	Data Converters	-
Program Memory Type	ROMless	Core Size	8-Bit
Program Memory Size	-	Core Processor	8051
Peripherals	Brown-out Detect/Reset, POR	Connectivity	EBI/EMI, SIO, UART/USART
Package / Case	44-LCC (J-Lead)	Base Product Number	DS80C310
Package	Tube		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Analog Devices Inc./Maxim Integrated DS80C310-QCG+

Product Attribute				
Part Number	DS80C310-QCG+	DS80C310-QCG+T&R	DS80C310-ECG	DS80C310-QCG/T&R
Manufacturer	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Package	Tube	Tape & Reel (TR)	Tray	Tape & Reel (TR)
Core Processor	8051	8051	8051	8051
Peripherals	Brown-out Detect/Reset, POR	Brown-out Detect/Reset, POR	Brown-out Detect/Reset, POR	Brown-out Detect/Reset, POR
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Program Memory Type	ROMless	ROMless	ROMless	ROMless
Operating Temperature	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)
EEPROM Size	-	-	-	-
Connectivity	EBI/EMI, SIO, UART/USART	EBI/EMI, SIO, UART/USART	EBI/EMI, SIO, UART/USART	EBI/EMI, SIO, UART/USART
Number of I/O	32	32	32	32
Data Converters	-	-	-	-
Speed	25MHz	25MHz	25MHz	25MHz
Oscillator Type	External	External	External	External
Base Product Number	DS80C310	DS80C310	DS80C310	DS80C310
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
Supplier Device Package	44-PLCC (16.59x16.59)	44-PLCC (16.59x16.59)	44-TQFP (10x10)	44-PLCC (16.59x16.59)
Package / Case	44-LCC (J-Lead)	44-LCC (J-Lead)	44-TQFP	44-LCC (J-Lead)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
RAM Size	256 x 8	256 x 8	256 x 8	256 x 8
Series	80C	80C	80C	80C
Program Memory Size	-	-	-	-

## DS80C310-QCG+ Datasheet PDF

Download DS80C310-QCG+ pdf datasheets and Analog Devices Inc./Maxim Integrated documentation for DS80C310-QCG+ - Analog Devices Inc./Maxim Integrated.

### Datasheets

DS80C310.pdf

### Environmental Information

Maxim Integrated REACH.pdf

Maxim Integrated RoHS Cert.pdf

Material Declaration DS80C310-QCG+.pdf

## Application Notes



High-Speed Microcontroller Users Guide.pdf



Interfacing 8051-based Microcontrollers to an SCI .pdf



The Fast 8051 Microcontroller: Leading the Way in .pdf

## Customers Also Interested in

### Recommended Products



**DS80C310FCG**

DALLAS



**DS80C310-QCG+T&R**

Analog Devices Inc./Maxim Integrated  
IC MCU 8BIT ROMLESS 44PLCC



**DS80C310-QCG+T&R**

Analog Devices / Maxim Integrated



**DS804SE17**

MEDL  
IGBT Module



**DS80C310-ECG**

Analog Devices Inc./Maxim Integrated  
IC MCU 8BIT ROMLESS 44TQFP



**DS80C310-QCG/T&R**

DALLAS



**DS80C310-QCG/T&R**

Analog Devices Inc./Maxim Integrated  
IC MCU 8BIT ROMLESS 44PLCC



**DS80C310-QNG+**

Analog Devices Inc./Maxim Integrated  
IC MCU 8BIT ROMLESS 44PLCC



**DS80C310-QCG+T**

MAXI



**DS80C310-MCG+**

Analog Devices Inc./Maxim Integrated  
IC MCU 8BIT ROMLESS 40DIP



**DS80C310-QCG**

Analog Devices Inc./Maxim Integrated  
IC MCU 8BIT ROMLESS 44PLCC



**DS80C310**

DALLAS



**DS80C310MCG**

DALLAS



**DS80C310-MCG**

Analog Devices Inc./Maxim Integrated  
IC MCU 8BIT ROMLESS 40DIP



**DS804SE21**

MEDL  
IGBT Module



**DS804SE18**

MEDL  
IGBT Module



**DS80C310MCG+**

DALLAS



**DS80C310ECG**

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## 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  
+00852 9146 4856



Email  
info@allelco.com

## Certifications & Memberships



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