



Image may be representation.
See specifications for product details.



DSPIC33EV32GM002-I/SS

Manufacturer Part Number **DSPIC33EV32GM002-I/SS**

Manufacturer **Microchip Technology**

Allelco Part Number **32D-DSPIC33EV32GM002-I/SS**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC MCU 16BIT 32KB FLASH 28SSOP**

Package **28-SSOP (0.209", 5.30mm Width)**

Data sheet [dsPIC33EVxxGM00x/10x Family Datasheet.pdf](#)

[dsPIC33EyyyGM00y/10y Prog Spec.pdf](#)

RoHs Status **ROHS3 Compliant**

Get a Quote

DSPIC33EV32GM002-I/SS - Microchip Technology.New Original in Stock. Download Linear Technology DSPIC33EV32GM002-I/SS datasheet/specifications on AllelcoElec.com.

Request a quote for DSPIC33EV32GM002-I/SS, please send us email: info@allelco.com

Specifications

DSPIC33EV32GM002-I/SS Tech Specifications

DSPIC33EV32GM002-I/SS - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	28-SSOP	Number of I/O	21
Speed	70 MIPS	Mounting Type	Surface Mount
Series	dsPIC™ 33EV, Functional Safety (FuSa)	EEPROM Size	-
RAM Size	4K x 8	Data Converters	A/D 11x10/12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	32KB (11K x 24)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Connectivity	I²C, IrDA, LINbus, SPI, UART/USART
Package / Case	28-SSOP (0.209", 5.30mm Width)	Base Product Number	DSPIC33EV32GM002
Package	Tube		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33EV32GM002-I/SS

Product Attribute				
Part Number	DSPIC33EV32GM002-I/SS	DSPIC33EV32GM106-I/PT	DSPIC33EV64GM002-I/SO	DSPIC33EV128GM004-E/P8
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Number of I/O	21	53	21	35
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Supplier Device Package	28-SSOP	64-TQFP (10x10)	28-SOIC	48-TQFP (7x7)
Program Memory Size	32KB (11K x 24)	32KB (11K x 24)	64KB (22K x 24)	128KB (43K x 24)
Base Product Number	DSPIC33EV32GM002	DSPIC33EV32GM106	DSPIC33EV64GM002	DSPIC33EV128GM004
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
RAM Size	4K x 8	4K x 8	8K x 8	8K x 8
Package	Tube	Tray	Tube	Tray
Data Converters	A/D 11x10/12b	A/D 36x10/12b	A/D 11x10/12b	A/D 24x10/12b; D/A 1x7b
Speed	70 MIPS	70 MIPS	70 MIPS	60MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Voltage - Supply (Vcc/Vdd)	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V	4.5V ~ 5.5V
Series	dsPIC™ 33EV, Functional Safety (FuSa)	dsPIC™ 33EV, Functional Safety (FuSa)	dsPIC™ 33EV, Functional Safety (FuSa)	Automotive, AEC-Q100, dsPIC™ 33EV, Functional Safety (FuSa)
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Brown-out Detect/Reset, DMA, POR, PWM, WDT
Connectivity	I²C, IrDA, LINbus, SPI, UART/USART	CANbus, I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART	I²C, IrDA, LINbus, SPI, UART/USART
Oscillator Type	Internal	Internal	Internal	Internal
Package / Case	28-SSOP (0.209", 5.30mm Width)	64-TQFP	28-SOIC (0.295", 7.50mm Width)	48-TQFP

DSPIC33EV32GM002-I/SS Datasheet PDF

Download DSPIC33EV32GM002-I/SS pdf datasheets and Microchip Technology documentation for DSPIC33EV32GM002-I/SS - Microchip Technology.

PCN Packaging



PCN Assembly/Origin

2.73KHz.pdf

HTML Datasheet

dsPIC33EVxzxGM00x/10x Family Datasheet.pdf

dsPIC33EVyyyGM00y/10y Prog Spec.pdf

Errata

2.73KHz.pdf





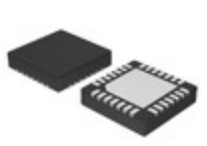
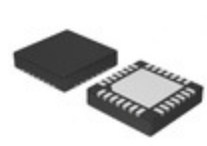









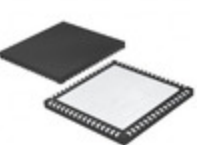



PCN Design/Specification

dsPIC33EV Errata/DS Chg 19/Oct/2018.pdf

New DeviceDoc 25/Apr/2016.pdf

Customers Also Interested in

Recommended Products

					
					
DSPIC33EV32GM106-I/PT	DSPIC33EV64GM002-I/SO	DSPIC33EV128GM004-E/P8	DSPIC33EV256GM102-I/MM	DSPIC33EV32GM002-E/MM	DSPIC33EV32GM002-I/SO
Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 28SOIC	Microchip Technology IC MCU 16BIT 128KB FLASH 48TQFP	Microchip Technology IC MCU 16BIT 256KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 32KB FLASH 28QFN	Microchip Technology IC MCU 16BIT 32KB FLASH 28SOIC
					
DSPIC33EV256GM106-I/PT	DSPIC33EV32GM106-E/PT	DSPIC33EV64GM104-I/PT	DSPIC33EV128GM104-E/PT	DSPIC33EV64GM004-I/PT	DSPIC33EV64GM106-E/PT
Microchip Technology IC MCU 16BIT 256KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 32KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 44TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 64TQFP
					
DSPIC33EV128GM002	DSPIC33EV128GM106-I/PT	DSPIC33EV64GM006-I/MR	DSPIC33EV64GM006-I/PT	DSPIC33EV256GM106T-I/PTVAO	DSPIC33EV128GM104-I/PT
Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 128KB FLASH 64TQFP	Microchip Technology IC MCU 16BIT 64KB FLASH 64VQFN	Microchip Technology IC MCU 16BIT 64KB FLASH 64TQFP	Micrel / Microchip Technology	Microchip Technology IC MCU 16BIT 128KB FLASH 44TQFP

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
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Contact us if you have any questions.

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Certifications & Memberships



View More

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