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See specifications for product details.



DSPIC33EP128GS806-E/PT

Manufacturer Part Number	DSPIC33EP128GS806-E/PT
Manufacturer	Microchip Technology
Allelco Part Number	32D-DSPIC33EP128GS806-E/PT
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 16BIT 128KB FLASH 64TQFP
Package	64-TQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

DSPIC33EP128GS806-E/PT - Microchip Technology. New Original in Stock. Download Linear Technology DSPIC33EP128GS806-E/PT datasheet/specifications on AllelcoElec.com.
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Specifications

DSPIC33EP128GS806-E/PT Tech Specifications
DSPIC33EP128GS806-E/PT - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	64-TQFP (10x10)	Number of I/O	51
Speed	60 MIPS	Mounting Type	Surface Mount
Series	Automotive, AEC-Q100, dsPIC™ 33EP, Functional Safety (FuSa)	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 22x12b; D/A 2x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	128KB (43K x 24)	Core Processor	dsPIC
Peripherals	Brown-out Detect/Reset, DMA, I ² S, POR, PWM, WDT	Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART
Package / Case	64-TQFP	Base Product Number	DSPIC33EP128GS806
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology DSPIC33EP128GS806-E/PT

Product Attribute				
Part Number	DSPIC33EP128GS806-E/PT	DSPIC33EP128MC204T-I/ML	DSPIC33EP128MC202-E/SO	DSPIC33EP128MC204-I/PT
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Base Product Number	DSPIC33EP128GS806	DSPIC33EP128MC204	DSPIC33EP128MC202	DSPIC33EP128MC204
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)
Package / Case	64-TQFP	44-VQFN Exposed Pad	28-SOIC (0.295", 7.50mm Width)	44-TQFP
Package	Tray	Tape & Reel (TR)	Tube	Tray
RAM Size	8K x 8	8K x 16	8K x 16	8K x 16
Data Converters	A/D 22x12b; D/A 2x12b	A/D 9x10b/12b	A/D 6x10b/12b	A/D 9x10b/12b
Peripherals	Brown-out Detect/Reset, DMA, I ² S, 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, Motor Control PWM, POR, PWM, WDT
Speed	60 MIPS	70 MIPS	60 MIPS	70 MIPS
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	128KB (43K x 24)	128KB (43K x 24)	128KB (43K x 24)	128KB (43K x 24)
Supplier Device Package	64-TQFP (10x10)	44-QFN (8x8)	28-SOIC	44-TQFP (10x10)
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	I ² C, IrDA, LINbus, QEI, SPI, UART/USART	I ² C, IrDA, LINbus, QEI, SPI, UART/USART	I ² C, IrDA, LINbus, QEI, SPI, UART/USART
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
EEPROM Size	-	-	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Processor	dsPIC	dsPIC	dsPIC	dsPIC
Number of I/O	51	35	21	35
Series	Automotive, AEC-Q100, dsPIC™ 33EP, Functional Safety (FuSa)	dsPIC™ 33EP	Automotive, AEC-Q100, dsPIC™ 33EP	dsPIC™ 33EP
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V

DSPIC33EP128GS806-E/PT Datasheet PDF

Download DSPIC33EP128GS806-E/PT pdf datasheets and Microchip Technology documentation for DSPIC33EP128GS806-E/PT - Microchip Technology.

Datasheets

Cylindrical Battery Holders.pdf

PCN Assembly/Origin

PCN Design/Specification



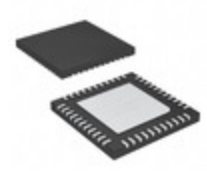
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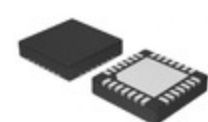
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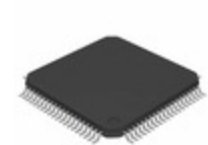
Recommended Products

**DSPIC33EP128MC204T-I/ML**Microchip Technology
IC MCU 16BIT 128KB FLASH 44QFN**DSPIC33EP128MC202-E/SO**Microchip Technology
IC MCU 16BIT 128KB FLASH 28SOIC**DSPIC33EP128GS806**

Micrel / Microchip Technology

**DSPIC33EP128MC204-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 44TQFP**DSPIC33EP128MC202-I/SS**Microchip Technology
IC MCU 16BIT 128KB FLASH 28SSOP**DSPIC33EP128GS702-I/SO**Microchip Technology
IC MCU 16BIT 128KB FLASH 28SOIC**DSPIC33EP128MC202-I/SO**Microchip Technology
IC MCU 16BIT 128KB FLASH 28SOIC**DSPIC33EP128MC202-I/MM**Microchip Technology
IC MCU 16BIT 128KB FLASH 28QFN**DSPIC33EP128GS705-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 48TQFP**DSPIC33EP128GS706T-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP**DSPIC33EP128GS806T-E/PT**

Micrel / Microchip Technology

**DSPIC33EP128GP506T-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP**DSPIC33EP128GS806-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP**DSPIC33EP128GS708-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 80TQFP**DSPIC33EP128GS804-E/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 44TQFP**DSPIC33EP128GS804T-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 44TQFP**DSPIC33EP128GS706-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 64TQFP**DSPIC33EP128GS808-I/PT**Microchip Technology
IC MCU 16BIT 128KB FLASH 80TQFP

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.



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Certifications & Memberships



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