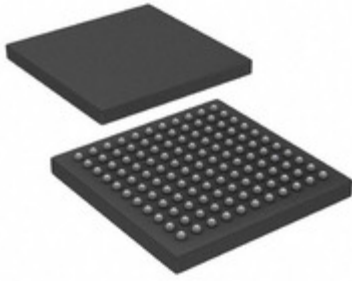


DSPIC33EP512GM310-I/BG





Part Number:

DSPIC33EP512GM310-I/BG

Manufacturer:

Micrel / Microchip Technology

Description:

IC MCU 16BIT 512KB FLASH 121BGA

Data sheet:

 [dsPIC33EPyyyGM3yy.6yy.7yy](#)

 [dsPIC33EPyyyGM3,6,7 Family Errata](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

Shipment Way:

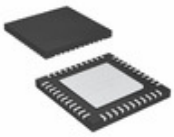
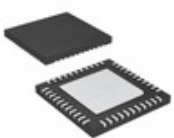
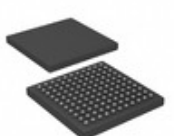
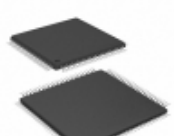
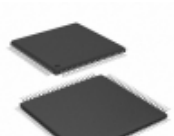
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Images are for reference only.
See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER		
Part Number	DSPIC33EP512GM310-I/BG	Manufacturer Micrel / Microchip Technology
Description	IC MCU 16BIT 512KB FLASH 121BGA	Lead Free Status / RoHS Status Lead free / RoHS Compliant
Quantity Available	18439 pcs	Data sheet dsPIC33EPyyyGM3yy.6yy.7yy dsPIC33EPyyyGM3,6,7 Family Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd) 3 V ~ 3.6 V
Supplier Device Package	121-TFBGA (10x10)	Speed 70 MIPs
Series	dsPIC™ 33EP	RAM Size 48K x 8
Program Memory Type	FLASH	Program Memory Size 512KB (170K x 24)
Peripherals	Brown-out Detect/Reset, DMA, I ² S, Motor Control PWM, POR, PWM, WDT	Packaging Tray
Package / Case	121-TFBGA	Oscillator Type Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O 85
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Lead Free Status / RoHS Status Lead free / RoHS Compliant
EEPROM Size	-	Detailed Description dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 70 MIPs 512KB (170K x 24) FLASH 121-TFBGA (10x10)
Data Converters	A/D 49x10b/12b	Core Size 16-Bit
Core Processor	dsPIC	Connectivity I²C, IrDA, LINbus, QEI, SPI, UART/USART
Base Part Number	DSPIC33EP512GM310	

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	Part#: DSPIC33EP512GM310T-I/BG Description: IC MCU 16BIT 512KB FLASH 121BGA	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: DSPIC33EP512GM310-E/PT Description: IC MCU 16BIT 512KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology RFQ
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	Part#: DSPIC33EP512GM604-H/PT Description: IC MCU 16BIT 512KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology RFQ
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	Part#: DSPIC33EP512GM310-E/PF Description: IC MCU 16BIT 512KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: DSPIC33EP512GM306-I/MR Description: IC MCU 16BIT 512KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: DSPIC33EP512GM604-I/ML Description: IC MCU 16BIT 512KB FLASH 44QFN	Manufacturers: Micrel / Microchip Technology RFQ
	Part#: DSPIC33EP512GM604-E/PT Description: IC MCU 16BIT 512KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology RFQ
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	Part#: DSPIC33EP512GM306T-I/MR Description: IC MCU 16BIT 512KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology RFQ

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