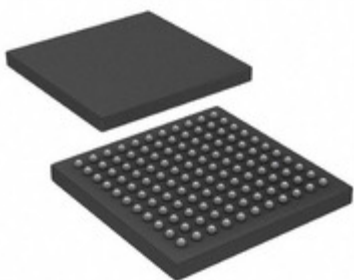


DSPIC33EP256MU810T-I/BG





Part Number: [DSPIC33EP256MU810T-I/BG](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 256KB FLASH 121BGA

Data sheet:

 [16-bit Embedded Control Solutions](#)

 [dsPIC\(33,24\)EPzzz\(MU,GU\)8xx Datasheet](#)

 [dsPIC33EPxxx\(GP,Mx\)8xx, PIC24EPxxxGx81x Errata](#)

RoHs Status: Lead free / RoHS Compliant

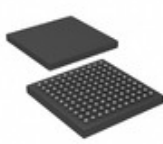
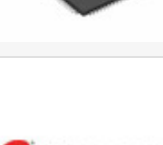
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Images are for reference only.
See Product Specifications for product details.
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PRODUCT PARAMETER			
Part Number	DSPIC33EP256MU810T-I/BG	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 256KB FLASH 121BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	15659 pcs	Data sheet	16-bit Embedded Control Solutions dsPIC(33,24)EPzzz(MU,GU)8xx Datasheet dsPIC33EPxxx(GP,Mx)8xx, PIC24EPxxxGx81x Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Errata 3 V ~ 3.6 V
Supplier Device Package	121-TFBGA (10x10)	Speed	60 MIPs
Series	dsPIC™ 33EP	RAM Size	12K x 16
Program Memory Type	FLASH	Program Memory Size	256KB (85.5K x 24)
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	121-TFBGA	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	83
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Manufacturer Standard Lead Time	13 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPs 256KB (85.5K x 24) FLASH 121-TFBGA (10x10)	Data Converters	A/D 32x10b/12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART, USB OTG	Base Part Number	DSPIC33EP256MU810
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	Part#: DSPIC33EP256MU810T-E/BG Description: IC MCU 16BIT 256KB FLASH 121BGA	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP256MU810T-E/PF Description: IC MCU 16BIT 256KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP256MU810T-I/PF Description: IC MCU 16BIT 256KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP256MU814T-I/PH Description: IC MCU 16BIT 256KB FLASH 144TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP256MU814-I/PH Description: IC MCU 16BIT 256KB FLASH 144TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP256MU814-E/PH Description: IC MCU 16BIT 256KB FLASH 144TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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