

DSPIC33EP256MU806-E/MR



Part Number: [DSPIC33EP256MU806-E/MR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 256KB FLASH 64QFN

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

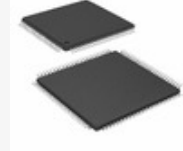
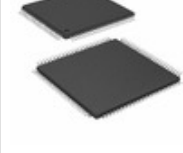
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PRODUCT PARAMETER			
Part Number	DSPIC33EP256MU806-E/MR	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 256KB FLASH 64QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	14751 pcs	Data sheet	16-bit Embedded Control Solutions dsPIC(33,24)EPzzz(MU,GU)8xx Datasheet dsPIC33EPxxx(GP,Mx)8xx, PIC24EPxxxGx81x Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3V ~ 3.6 V
Supplier Device Package	64-QFN (9x9)	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	Tube
Package / Case	64-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 125°C (TA)	Number of I/O	51
Moisture Sensitivity Level (MSL)	1 (Unlimited)	Manufacturer Standard Lead Time	23 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 64-QFN (9x9)	Data Converters	A/D 24x10b/12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART, USB OTG	Base Part Number	DSPIC33EP256MU806
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	Part#: DSPIC33EP256MC506T-I/PT Description: IC MCU 16BIT 256KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP256MU810-E/PF Description: IC MCU 16BIT 256KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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