

DSPIC33EP512GM310-H/PT



Part Number: [DSPIC33EP512GM310-H/PT](#)
Manufacturer: [Micrel / Microchip Technology](#)
Description: IC MCU 16BIT 512KB FLASH 100TQFP
Data sheet: [dsPIC33EPyyyGM3yy,6yy,7yy](#)
[dsPIC33EPyyyGM3,6,7 Family Errata](#)

RoHS Status: Lead free / RoHS Compliant
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 See Product Specifications for product details.
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PRODUCT PARAMETER

Part Number	DSPIC33EP512GM310-H/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 512KB FLASH 100TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4135 pcs	Data sheet	dsPIC33EPyyyGM3yy,6yy,7yy dsPIC33EPyyyGM3,6,7 Family Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)-	
Supplier Device Package	100-TQFP (12x12)	Speed	-
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	100-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 150°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 512KB (170K x 24) FLASH 100-TQFP (12x12)
Data Converters	A/D 49x10b/12b	Core Size	16-Bit
Core Processor	dsPIC	Connectivity	I ² C, IrDA, LINbus, QEI, SPI, UART/USART
Base Part Number	DSPIC33EP512GM310		

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	Part#: DSPIC33EP512GM604-H/PT Description: IC MCU 16BIT 512KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GM306-H/PT Description: IC MCU 16BIT 512KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP512GM310-I/BG Description: IC MCU 16BIT 512KB FLASH 121BGA	Manufacturers: Micrel / Microchip Technology	RFQ

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