

DSPIC33EP512GM306-I/MR



Part Number: [DSPIC33EP512GM306-I/MR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 16BIT 512KB FLASH 64QFN

Data sheet:  [dsPIC33EPyyyGM3yy,6yy,7yy](#)
 [dsPIC33EPyyyGM3,6,7 Family Errata](#)

RoHs Status: Lead free / RoHS Compliant

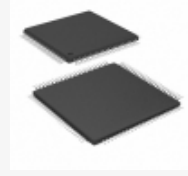
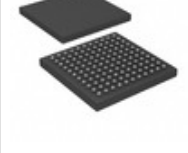
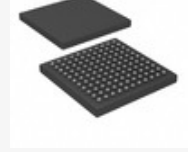
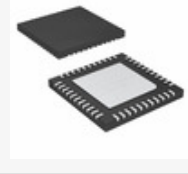
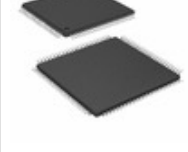
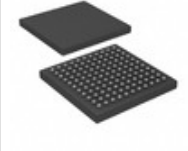
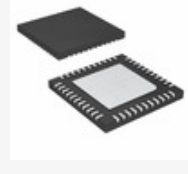
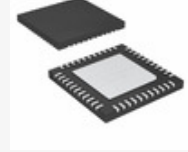
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PRODUCT PARAMETER			
Part Number	DSPIC33EP512GM306-I/MR	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 512KB FLASH 64QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	14475 pcs	Data sheet	dsPIC33EPyyyGM3yy,6yy,7yy dsPIC33EPyyyGM3,6,7 Family Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Supplier Device Package	64-QFN (9x9)	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	Tube
Package / Case	64-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	53
Moisture Sensitivity Level (MSL) 1	(Unlimited)	Manufacturer Standard Lead Time	12 Weeks
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 64-QFN (9x9)	Data Converters	A/D 30x10b/12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	I ² C, IrDA, LINbus, QEI, SPI, UART/USART	Base Part Number	DSPIC33EP512GM306
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