

DSPIC33EP512GM710-I/PT



**MICROCHIP**

Part Number: [DSPIC33EP512GM710-I/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

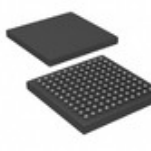
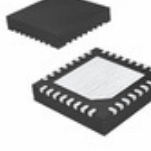
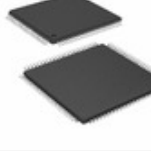
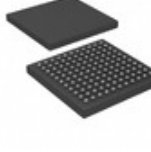
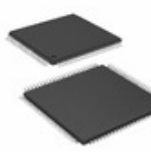
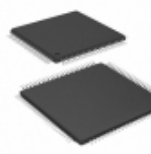
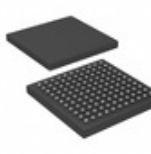
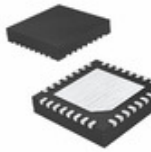
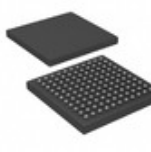
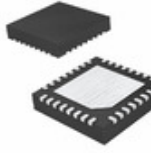
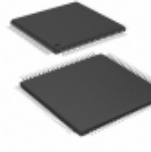
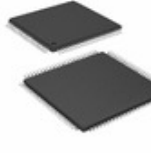
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Request For Quotation

PRODUCT PARAMETER			
Part Number	DSPIC33EP512GM710-I/PT	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 512KB FLASH 100TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	18935 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	100-TQFP (12x12)	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, I²S, Motor Control PWM, POR, PWM, WDT	Packaging	Tray
Package / Case	100-TQFP	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	85
Moisture Sensitivity Level (MSL)	3 (168 Hours)	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 100-TQFP (12x12)	Data Converters	A/D 49x10b/12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I²C, IrDA, LINbus, QEI, SPI, UART/USART	Base Part Number	DSPIC33EP512GM710
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	Part#: DSPIC33EP512GP502-E/SP Description: IC MCU 16BIT 512KB FLASH 28SDIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GP502-E/MM Description: IC MCU 16BIT 512KB FLASH 28QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GM710-E/PF Description: IC MCU 16BIT 512KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP512GM710-H/BG Description: IC MCU 16BIT 512KB FLASH 121BGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GM706T-I/PT Description: IC MCU 16BIT 512KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GM710-E/PT Description: IC MCU 16BIT 512KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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