

DSPIC33CK256MP506-I/MR



Part Number: [DSPIC33CK256MP506-I/MR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: 16 BIT DSC, 256KB FLASH, 24KB RA

Data sheet:
 [dsPIC33CK256MP508 Family Programming Specification](#)
 [dsPIC33CK256MP508 Family Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

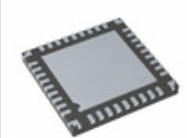
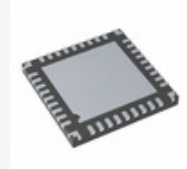
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PRODUCT PARAMETER			
Part Number	DSPIC33CK256MP506-I/MR	Manufacturer	Micrel / Microchip Technology
Description	16 BIT DSC, 256KB FLASH, 24KB RA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	28422 pcs	Data sheet	dsPIC33CK256MP508 Family Programming Specification dsPIC33CK256MP508 Family Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	3 V ~ 3.6 V
Supplier Device Package	64-QFN (9x9)	Speed	100MHz
Series	dsPIC™ 33CK	RAM Size	24K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	Brown-out Detect/Reset, DMA, Motor Control PWM, POR, PWM, QEI, 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)	3 (168 Hours)	Manufacturer Standard Lead Time	18 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	dsPIC dsPIC™ 33CK Microcontroller IC 16-Bit 100MHz 256KB (256K x 8) FLASH 64-QFN (9x9)	Data Converters	A/D 20x12b, D/A 3x12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I²C, IrDA, LINbus, SPI, UART/USART		
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	Part#: DSPIC33CK256MP508T-I/PT Description: 16 BIT DSC, 256KB FLASH, 24KB RA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33CK256MP502T-I/SS Description: 16 BIT DSC, 256KB FLASH, 24KB RA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33CK32MP202-I/SS Description: 16 BIT DSC, 32KB FLASH, 8KB RAM,	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33CK256MP506-I/PT Description: 16 BIT DSC, 256KB FLASH, 24KB RA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33CK256MP503-I/M5 Description: 16 BIT DSC, 256KB FLASH, 24KB RA	Manufacturers: Micrel / Microchip Technology	RFQ
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