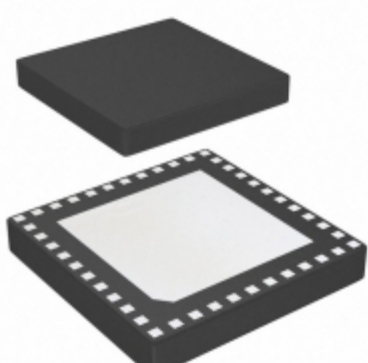


DSPIC33EP512GP504-H/TL



Part Number: [DSPIC33EP512GP504-H/TL](#)
Manufacturer: [Micrel / Microchip Technology](#)
Description: IC MCU 16BIT 512KB FLASH 44VTLA
Data sheet: [dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x](#)
[16-bit Embedded Control Solutions](#)
[dsPIC\(33,24\)EPzzz\(GP,MC\)20x,50x Errata](#)

RoHS Status: Lead free / RoHS Compliant
Ship From: Hong Kong
Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
 See Product Specifications for product details.
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PRODUCT PARAMETER

Part Number	DSPIC33EP512GP504-H/TL	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 16BIT 512KB FLASH 44VTLA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	19659 pcs	Data sheet	dsPIC(33,24)EPzzz(GP,MC)20x,50x 16-bit Embedded Control Solutions dsPIC(33,24)EPzzz(GP,MC)20x,50x
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	Errata 3V ~ 3.6V
Supplier Device Package	44-VTLA (6x6)	Speed	60 MIPS
Series	dsPIC™ 33EP	RAM Size	24K x 16
Program Memory Type	FLASH	Program Memory Size	512KB (170K x 24)
Peripherals	Brown-out Detect/Reset, DMA, POR, PWM, WDT	Packaging	Tube
Package / Case	44-VFTLA Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 150°C (TA)	Number of I/O	35
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	5 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	dsPIC dsPIC™ 33EP Microcontroller IC 16-Bit 60 MIPS 512KB (170K x 24) FLASH 44-VTLA (6x6)	Data Converters	A/D 9x10b/12b
Core Size	16-Bit	Core Processor	dsPIC
Connectivity	CANbus, I ² C, IrDA, LINbus, SPI, UART/USART	Base Part Number	DSPIC33EP512GP504

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	Part#: DSPIC33EP512GP504-I/MV Description: IC MCU 16BIT 512KB FLASH 48UQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GP504T-E/PT Description: IC MCU 16BIT 512KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GP504T-I/MV Description: IC MCU 16BIT 512KB FLASH 48UQFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP512GP504-E/PT Description: IC MCU 16BIT 512KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GP504-I/TL Description: IC MCU 16BIT 512KB FLASH 44VTLA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GP504-I/ML Description: IC MCU 16BIT 512KB FLASH 44QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DSPIC33EP512GP502T-I/MM Description: IC MCU 16BIT 512KB FLASH 28QFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: DSPIC33EP512GP502T-E/SO Description: IC MCU 16BIT 512KB FLASH 28SOIC	Manufacturers: Micrel / Microchip Technology	RFQ

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