

AT90USB82-16MU





Part Number: [AT90USB82-16MU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 8KB FLASH 32VQFN

Data sheet:  [AT90USB82,162](#)
 [AT90USB82,162 Summary](#)

RoHs Status: Lead free / RoHS Compliant

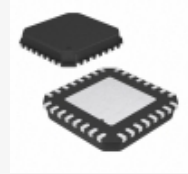
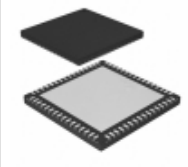
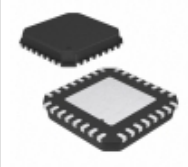
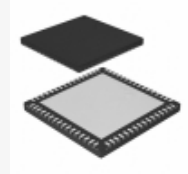
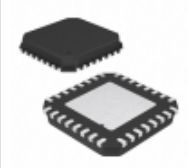
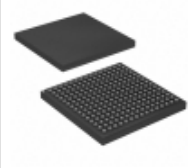
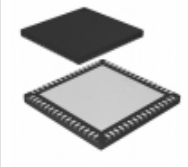
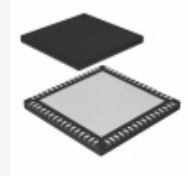
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PRODUCT PARAMETER			
Part Number	AT90USB82-16MU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 8KB FLASH 32VQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	50409 pcs	Data sheet	AT90USB82,162 AT90USB82,162 Summary
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	32-VQFN (5x5)	Speed	16MHz
Series	AVR® 90USB	RAM Size	512 x 8
Program Memory Type	FLASH	Program Memory Size	8KB (8K x 8)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tray
Package / Case	32-VFQFN Exposed Pad	Other Names	AT90USB8216MU
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	22	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	4 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	512 x 8	Detailed Description	AVR AVR® 90USB Microcontroller IC 8-Bit 16MHz 8KB (8K x 8) FLASH 32-VQFN (5x5)
Data Converters	-	Core Size	8-Bit
Core Processor	AVR	Connectivity	EBI/EMI, PS/2, SPI, UART/USART, USB
Base Part Number	AT90USB82		
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RELATED PRODUCTS			
	Part#: AT91CAP7A-STK Description: KIT STARTER FOR CAP CUSTOM MCU	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB82-16MUR Description: IC MCU 8BIT 8KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB647-MUR Description: IC MCU 8BIT 64KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT91CAP9A-DKZ Description: KIT DEV BOARD MESSANINE AT91CAP9	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT91CAP9A-DK18 Description: KIT DEV CAP9 W/1.8V MEMORY CARD	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT91CAP7A-NA-STK Description: KIT STARTER CAP7 W/ALTERA FPGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB162-16MU Description: IC MCU 8BIT 16KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB647-MU Description: IC MCU 8BIT 64KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB162-16MUR Description: IC MCU 8BIT 16KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT91CAP7X-DK33 Description: KIT DEV FOR CAP7 3.3V MEM BOARD	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT91CAP7E-NA-ZJ Description: IC MCU 32BIT 256KB ROM 225LFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USBKEY2 Description: KIT DEMO FOR AT90USB	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB646-MUR Description: IC MCU 8BIT 64KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB646-MU Description: IC MCU 8BIT 64KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB647-AUR Description: IC MCU 8BIT 64KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT91CAP7X-NA-DK Description: KIT DEV CAP7 W/XILINK FPGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB646-AUR Description: IC MCU 8BIT 64KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT91CAP9A-DK33 Description: KIT DEV CAP9 W/3.3V MEMORY CARD	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: AT90USB647-AU Description: IC MCU 8BIT 64KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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