

ATMEGA165PA-MU





Part Number: [ATMEGA165PA-MU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 64QFN

Data sheet:  [ATmega165A - 6450P Summary](#)

RoHs Status: Lead free / RoHS Compliant

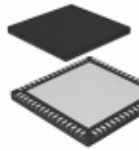
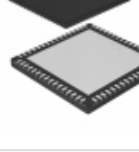
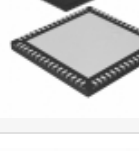
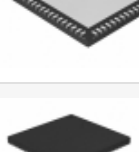
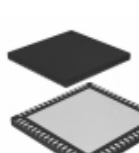
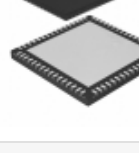
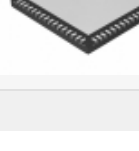
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PRODUCT PARAMETER			
Part Number	ATMEGA165PA-MU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 16KB FLASH 64QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	35551 pcs	Data sheet	ATmega165A - 6450P Summary
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V
Supplier Device Package	64-QFN (9x9)	Speed	16MHz
Series	AVR® ATmega	RAM Size	1K x 8
Program Memory Type	FLASH	Program Memory Size	16KB (8K x 16)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tray
Package / Case	64-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	54
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® ATmega Microcontroller IC 8-Bit 16MHz 16KB (8K x 16) FLASH 64-QFN (9x9)	Data Converters	A/D 8x10b
Core Size	8-Bit	Core Processor	AVR
Connectivity	SPI, UART/USART, USI	Base Part Number	ATMEGA165
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