

ATMEGA165A-AU



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Part Number: [ATMEGA165A-AU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 16KB FLASH 64TQFP

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

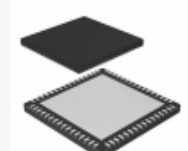
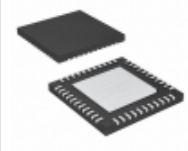
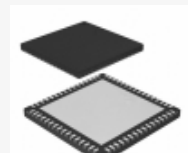
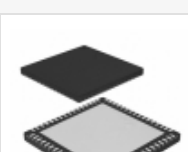
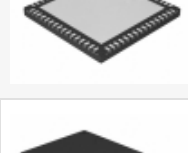
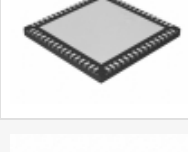
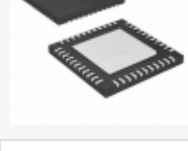
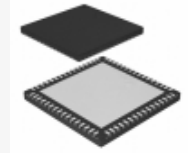
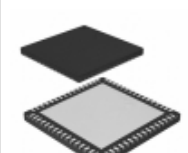
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	ATMEGA165A-AU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 16KB FLASH 64TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	39432 pcs	Data sheet	ATmega165A - 6450P Summary
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V
Supplier Device Package	64-TQFP (14x14)	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-TQFP	Other Names	ATMEGA165AAU
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	6 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-TQFP (14x14)
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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	Part#: ATMEGA165-16MU Description: IC MCU 8BIT 16KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA164PV-10MCUR Description: IC MCU 8BIT 16KB FLASH 44VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
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