

ATMEGA640-16CUR





Part Number: [ATMEGA640-16CUR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 64KB FLASH 100CBGA

Data sheet:  [ATMEGA640, 1280\(81\) 2560\(61\)\(V\) Summary](#)

RoHs Status: Lead free / RoHS Compliant

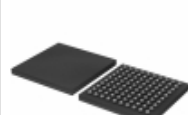
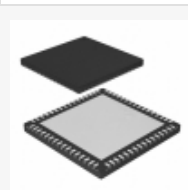
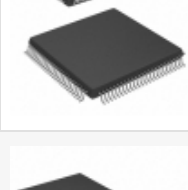
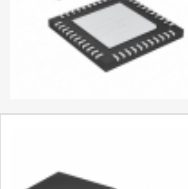
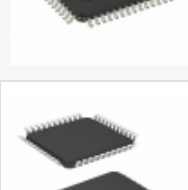
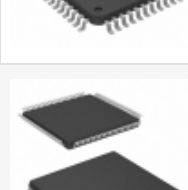
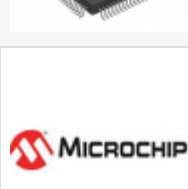
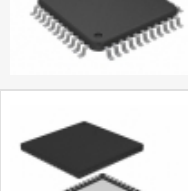
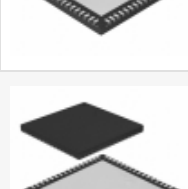
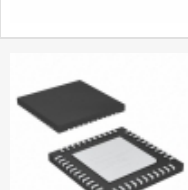
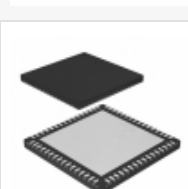
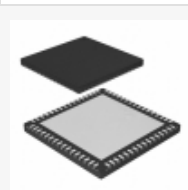
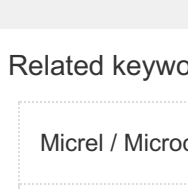
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PRODUCT PARAMETER			
Part Number	ATMEGA640-16CUR	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 64KB FLASH 100CBGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13449 pcs	Data sheet	ATMEGA640, 1280(81) 2560(61)(V) Summary
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	100-CBGA (9x9)	Speed	16MHz
Series	AVR® ATmega	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (32K x 16)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	100-TFBGA	Other Names	ATMEGA640-16CUR-ND ATMEGA640-16CURTR ATMEGA64016CUR
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	86	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	4 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	4K x 8	Detailed Description	AVR AVR® ATmega Microcontroller IC 8-Bit 16MHz 64KB (32K x 16) FLASH 100-CBGA (9x9)
Data Converters	A/D 16x10b	Core Size	8-Bit
Core Processor	AVR	Connectivity	EBI/EMI, I²C, SPI, UART/USART
Base Part Number	ATMEGA640		
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	Part#: ATMEGA64-16AU Description: IC MCU 8BIT 64KB FLASH 64TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA640-16AUR Description: IC MCU 8BIT 64KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA644-20MUR Description: IC MCU 8BIT 64KB FLASH 44VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA640-16CU Description: IC MCU 8BIT 64KB FLASH 100CBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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