

ATMEGA1280-16AUR





Part Number: [ATMEGA1280-16AUR](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 128KB FLASH 100TQFP

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

RoHs Status: Lead free / RoHS Compliant

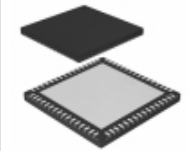
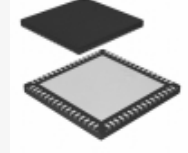
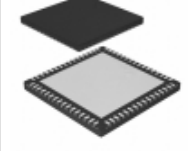
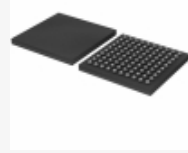
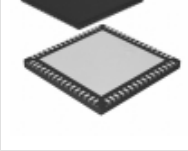
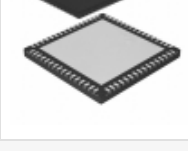
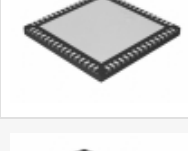
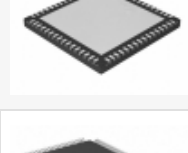
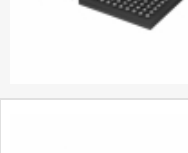
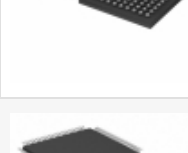
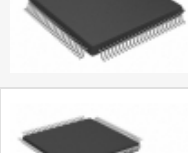
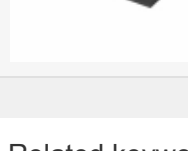
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PRODUCT PARAMETER			
Part Number	ATMEGA1280-16AUR	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 128KB FLASH 100TQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	11593 pcs	Data sheet	ATMEGA640, 1280-81, 2560-61(V) Complete 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-TQFP (14x14)	Speed	16MHz
Series	AVR® ATmega	RAM Size	8K x 8
Program Memory Type	FLASH	Program Memory Size	128KB (64K x 16)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tape & Reel (TR)
Package / Case	100-TQFP	Other Names	ATMEGA1280-16AUR-ND ATMEGA1280-16AURTR ATMEGA128016AUR
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	6 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 128KB (64K x 16) FLASH 100-TQFP (14x14)
Data Converters	A/D 16x10b	Core Size	8-Bit
Core Processor	AVR	Connectivity	EBI/EMI, I²C, SPI, UART/USART
Base Part Number	ATMEGA1280		
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	Part#: ATMEGA128-16MUR Description: IC MCU 8BIT 128KB FLASH 64QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA1280-16CU Description: IC MCU 8BIT 128KB FLASH 100CBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA1280V-8AU Description: IC MCU 8BIT 128KB FLASH 100TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA1280R212-CU Description: IC RF TXRX+MCU 802.15.4 100TFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
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