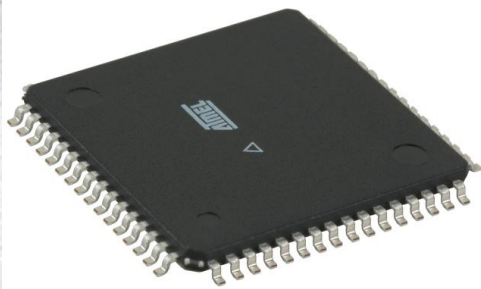


# ATMEGA1281V-8AU Datasheet

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DiGi Electronics Part Number	ATMEGA1281V-8AU-DG
Manufacturer	<a href="#">Microchip Technology</a>
Manufacturer Product Number	ATMEGA1281V-8AU
Description	IC MCU 8BIT 128KB FLASH 64TQFP
Detailed Description	AVR AVR® ATmega Microcontroller IC 8-Bit 8MHz 12 8KB (64K x 16) FLASH 64-TQFP (14x14)

This model ATMEGA1281V-8AU is available at DiGi Electronics.

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## Purchase and inquiry

**Manufacturer Product Number:**

ATMEGA1281V-8AU

**Series:**

AVR® ATmega

**DiGi-Electronics Programmable:**

Verified

**Core Size:**

8-Bit

**Connectivity:**

EBI/EMI, I2C, SPI, UART/USART

**Number of I/O:**

54

**Program Memory Type:**

FLASH

**RAM Size:**

8K x 8

**Data Converters:**

A/D 8x10b

**Operating Temperature:**

-40°C ~ 85°C (TA)

**Supplier Device Package:**

64-TQFP (14x14)

**Base Product Number:**

ATMEGA1281

**Manufacturer:**

Microchip Technology

**Product Status:**

Active

**Core Processor:**

AVR

**Speed:**

8MHz

**Peripherals:**

Brown-out Detect/Reset, POR, PWM, WDT

**Program Memory Size:**

128KB (64K x 16)

**EEPROM Size:**

4K x 8

**Voltage - Supply (Vcc/Vdd):**

1.8V ~ 5.5V

**Oscillator Type:**

Internal

**Mounting Type:**

Surface Mount

**Package / Case:**

64-TQFP

## Environmental & Export classification

**RoHS Status:**

ROHS3 Compliant

**REACH Status:**

REACH Unaffected

**HTSUS:**

8542.31.0001

**Moisture Sensitivity Level (MSL):**

3 (168 Hours)

**ECCN:**

EAR99

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