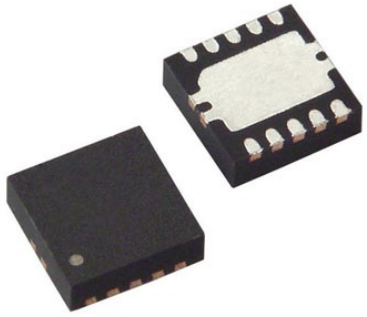
ATTINY1626-MU

Data Sheet

20MHz, 16KB, VQFN20, Ind 85C, Green, Tray

Manufacturers	Microchip Technology, Inc
Package/Case	VQFN
Product Type	
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for ATTINY1626-MU or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ATtiny1626 is a microcontroller featuring the AVR® CPU with hardware multiplier - running at up to 20MHz and with 16 KB Flash, 2 KB SRAM and 256 bytes of EEPROM in comes in 20-pin VQFN 3 x 3 mm and SOIC packages. The family uses the latest Core Independent Peripherals with low power features including Event System, intelligent analog and advanced peripherals.

The new 12-bit ADC offers true differential measuring capabilities with optional hardware accumulation of up to 1024 samples, which effectively gives up to 17-bits resolution. With sampling rates up to 625 ksps in accumulation mode and 294 ksps in single conversion mode the analog data is available very rapidly. The Programmable Gain Amplifier (PGA) for the ADC can amplify single-ended and differential analog inputs to make it possible to measure even small amplitude signals efficiently.

Features

High-Performance AVR RISC CPU with Hardware Multiplier

Running at up to 20 MHz

Single Cycle I/O Access

Two-level Interrupt Controller

Sleep modes: Idle, Standby, Power-down

6 channels Event System

Configurable Custom Logic (CCL)

Single pin programming and debugging interface (UPDI)

Analog Features

12-bit Differential ADC with Programmable Gain Amplifier (PGA)

Analog Comparator

Timer/Counters

1x 16-bit Timer/Counter type A (TCA)

2x 16-bit Timer/Counter type B (TCB)

1x 16-bit Real Time Counter (RTC) with Periodic Interrupt Controller (PIT)

Built-in Safety Functions:

Power-On Reset (POR)

Brown-Out-Detection (BOD)

Voltage Level Monitor (VLM)

Cyclic Redundancy Check (CRC) Scan

Window Watchdog Timer (WWDT)

Communication

Serial communication interfaces: 2x USART, SPI, I2C

Related Products

ATA6563-GAQW0

Microchip Technology, Inc

SOIC-8

AT42QT1040-MMHR

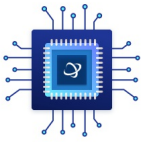
Microchip Technology, Inc

VQFN-20

[AT30TSE004A-MAA5M-T]

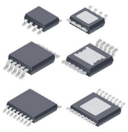
Microchip Technology, Inc

WDFN-8



[ATMEGA808-MU]

Microchip Technology, Inc



[ATTINY3226-SU]

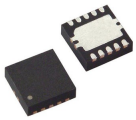
Microchip Technology, Inc

SOIC

[AT30TS74-SS8M-T]

Microchip Technology, Inc

SOIC-8



[ATSAMC21G17A-MZTVAO]

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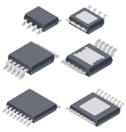
VQFN



[ATTINY3224-SSU]

Microchip Technology, Inc

SOIC