ovaga

AT32UC3B064-A2UT

32-Bit Microcontroller,Microcontrollers (MCU) 32-bit 64KB Flash

Manufacturers	Microchip Technology, Inc
Package/Case	TQFP-64
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for AT32UC3B064-A2UT or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The high-performance, low-power 32-bit AVR RISC-based microcontroller combines 64KB flash memory, 32KB SRAM, full-speed (12 Mbps) USB Mini-host + device, and I2S. The MCU achieves 83 Dhrystone MIPS (DMIPS) at 60MHz and consumes only 23mA at 3.3 volts.

The microcontroller's Memory Protection Unit (MPU) and fast, flexible interrupt controller support the latest real-time operating systems. The Peripheral Direct Memory Access (PDMA) controller transfers data between peripherals and memories without processor involvement, drastically reducing processing overhead with large continuous data streams between MCU modules.

The power manager improves design flexibility and security: the on-chip brown-out detector monitors the power supply, the CPU is run by the on-chip RC oscillator or one of external oscillator sources, and the Real-Time Clock (RTC) and its associated timer track time.

Related Products

ATSAMA5D36A-CU

Microchip Technology, Inc

LFBGA-324

ATMEGA32M1-AU

Microchip Technology, Inc

TQFP-32

ATXMEGA128D3-AU

Microchip Technology, Inc

TQFP-64

ATTINY2313V-10SU

Microchip Technology, Inc

SOIC-20

ATMEGA64M1-15AZ

Microchip Technology, Inc

TQFP-32

ATMEGA16L-8PU

Microchip Technology, Inc

PDIP-40

ATTINY48-MU

Microchip Technology, Inc

VQFN-32

ATTINY4-TSHR

Microchip Technology, Inc

SOT-23-6