

MICROCONTROLLER MCU, 8 BIT, 8032, 40MHZ, Controller Family/Series:uPSDxx, CPU Speed:40MHz, Program Memory Size:288KB, RAM Memory Size:32KB,No. of I/O's:46, Supply Voltage Min:4.5V, MSL:-

Manufacturers	<u>STMicroelectronics, Inc</u>
Package/Case	TQFP-80
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for UPSD3254A-40U6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

UPSD3254A-40U6 is a microcontroller that is part of the Power Application Controller (PAC) family developed by STMicroelectronics. It is a highly integrated device that combines a powerful 8051 microcontroller core with high-speed flash memory, SRAM, and a wide range of peripherals, such as timers, analog-to-digital converters (ADCs), PWM generators, and communication interfaces.

Features

40 MHz 8051 microcontroller core

256 KB flash memory

16 KB SRAM

10-bit ADC with eight channels

Three 16-bit timers/counters

Two UARTs, SPI, and I2C communication interfaces

Two PWM generators

Real-time clock (RTC)

Watchdog timer

Power-fail detection and reset

Operating voltage range of 2.7V to 5.5V

Application

Power management systems

Battery chargers and battery management systems

Industrial automation and control systems

Motor control and robotics

Home automation and smart building systems

Internet of Things (IoT) devices

Medical devices





Related Products



[UPSD3234A-40U6](#)

STMicroelectronics, Inc
TQFP-80



[PSD834F2-90J](#)

STMicroelectronics, Inc
PLCC-52



[STM32F103RB7](#)

STMicroelectronics, Inc
LQFP-64



[STM32F102C8T6](#)

STMicroelectronics, Inc
LQFP-48



[PSD813F2A-90MI](#)

STMicroelectronics, Inc
PQFP-52



[STM32F100RCT6TR](#)

STMicroelectronics, Inc
64-LQFP



[STM32F103RCT7](#)

STMicroelectronics, Inc
LQFP-64



[STR752FR2T6](#)

STMicroelectronics, Inc
64-LQFP