

CMOS 2K x 8 XEROPOWER SRAM, Non-Volatile RAM, 24 Pin, Plastic, DIP

Manufacturers	STMicroelectronics, Inc
Package/Case	DIP-24
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for MK48Z02B-20 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MK48Z02B-20 is a type of non-volatile static random access memory (NVRAM) integrated circuit (IC) manufactured by NXP Semiconductors. It is a 5V, 2048-bit (256 x 8) NVRAM with a real-time clock (RTC) and automatic power-fail detection and switch circuitry.

Features

2048 bits of non-volatile RAM organized as 256 words by 8 bits.

Real-time clock (RTC) with programmable alarm and periodic interrupt.

Automatic power-fail detect and switch circuitry.

Battery backup for data retention.

Industrial temperature range (-40°C to +85°C) operation.

5V power supply voltage.

JEDEC standard 32-pin DIP (Dual Inline Package) or SOIC (Small Outline Integrated Circuit) package options.

Data retention for minimum of 10 years.

Application

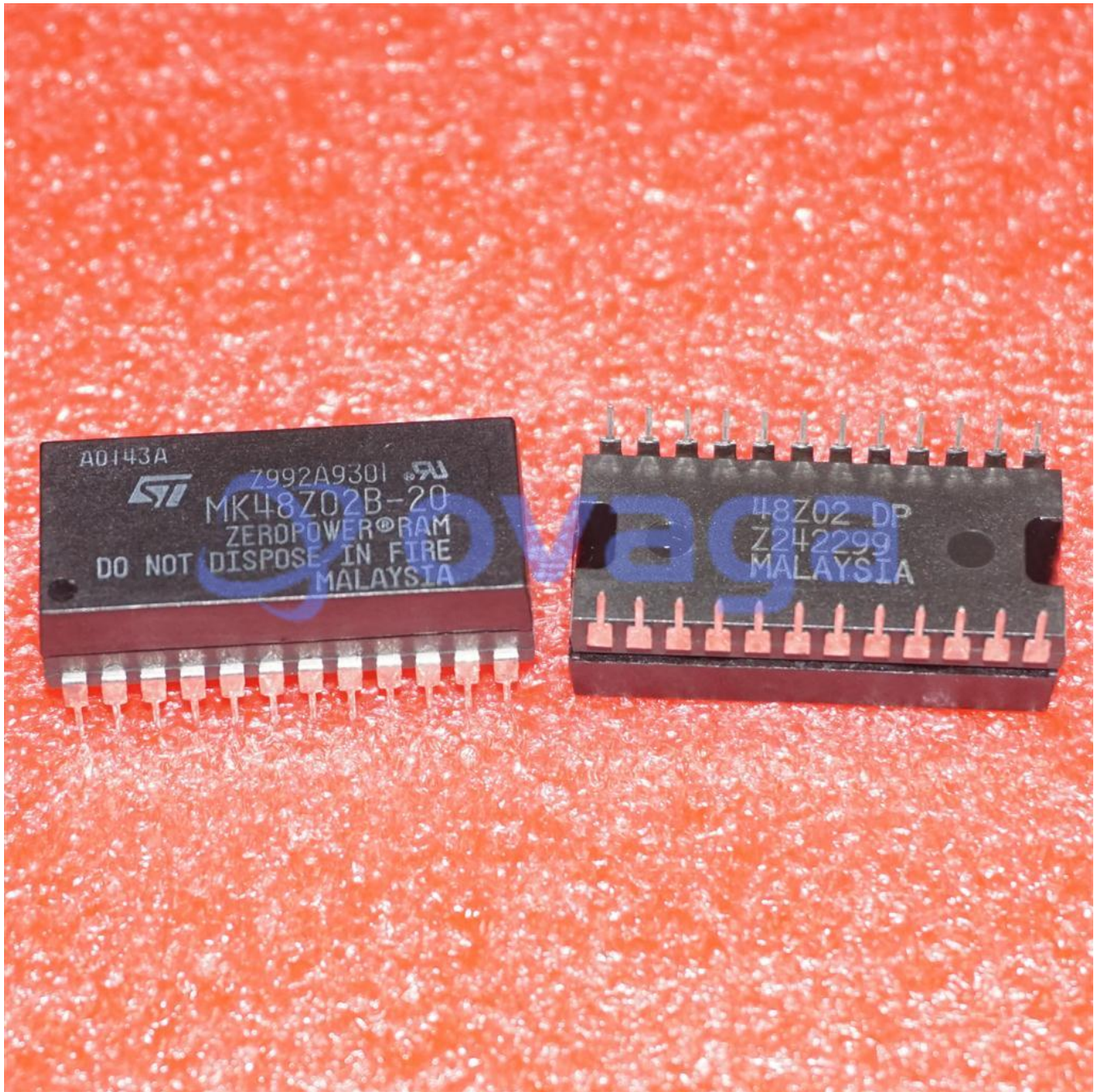
Embedded systems where reliable non-volatile data storage is required, such as in industrial control systems, medical equipment, automotive electronics, and security systems.

Systems that need a real-time clock (RTC) functionality, such as time-stamping, event logging, or time-sensitive data recording.

Applications where power-fail detection and switch circuitry is necessary to ensure proper data handling during power interruptions or failures.

Any application that requires non-volatile data storage with battery backup.





Related Products



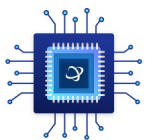
[MK48Z02B-15](#)

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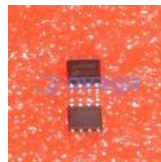
[VNQ5E050MK](#)

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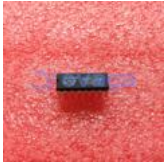
[M41T00S](#)

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