

EPROM OTP 4M-bit 512K x 8 90ns 32-Pin PDIP W Tube

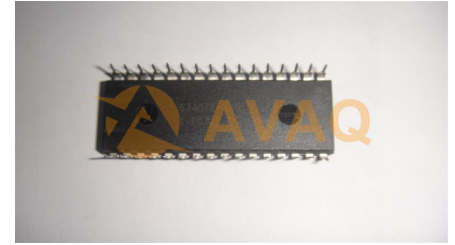
Manufacturer: [Microchip Technology, Inc](#)

Package/Case: DIP32

Product Type: Memory

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The Microchip AT27C040 is a low-power, high-performance, 4-megabit One Time Programmable EPROM organized as 512-Kbit x 8. Requiring a single 5V power supply, in normal read mode operation typical power consumption is only 8mA in active mode and less than 10 μ A in standby mode. Any byte can be accessed in less than 70 ns, eliminating the need for speed reducing WAIT states on high-performance microprocessor systems.

Key Features

Description

The Atmel® AT27C040 is a low-power, high-performance, 4,194,304-bit, One-Time Programmable, Read-Only Memory (OTP EPROM) organized as 512K by 8 bits. The AT27C040 requires only one 5V power supply in normal Read mode operation. Any byte can be accessed in less than 70ns, eliminating the need for speed reducing wait states on high-performance microprocessor systems.

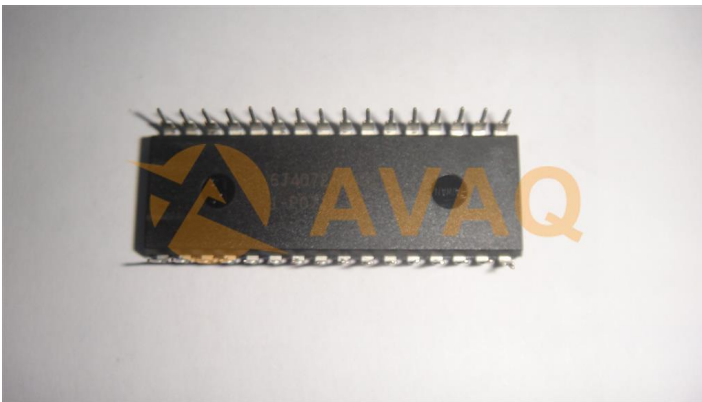
The Atmel scaled CMOS technology provides low active power consumption and fast programming. Power consumption is typically 8mA in active mode and less than 10µA in standby mode.

The AT27C040 is available in a choice of industry standard, JEDEC-approved, PDIP and PLCC packages. The device features two-line control (CE, OE) to eliminate bus contention in high-speed systems.

The AT27C040 has additional features to ensure high quality and efficient production use. The rapid programming algorithm reduces the time required to program the part and guarantees reliable programming. Programming time is typically only 100µs/byte. The integrated product identification code electronically identifies the device and manufacturer. This feature is used by industry standard programming equipment to select the proper programming algorithms and voltages.

Features

- Fast read access time – 70ns
- Low-power CMOS operation
- 100µA max standby
- 30mA max active at 5MHz
- JEDEC standard packages
- 32-lead PDIP
- 32-lead PLCC
- 5V ± 10% supply
- High-reliability CMOS technology
- 2000V ESD protection
- 200mA latchup immunity
- Rapid programming algorithm – 100µs/byte (typical)
- CMOS- and TTL-compatible inputs and outputs
- Industrial temperature range
- Green (Pb/halide-free) packaging option



Recommended For You

AT93C46E-PU

Microchip Technology, Inc
DIP8

AT93C46D-PU

Microchip Technology, Inc
DIP8

AT24C64D-SSHMT

Microchip Technology, Inc
SOP8

AT24C128C-MAHMT

Microchip Technology, Inc
UDFN-8

AT93C66B-XHM-T

Microchip Technology, Inc
TSSOP8

AT25256B-SSHL-T

Microchip Technology, Inc
SOP8

AT24C08C-SSHMT

Microchip Technology, Inc
SOP8

AT24C04C-PUM

Microchip Technology, Inc
DIP8

AT24C256C-SSHL-T

Microchip Technology, Inc
SOP8

AT24C02C-XHM-T

Microchip Technology, Inc
TSSOP8

AT24C02C-XHM-B

Microchip Technology, Inc
TSSOP8

AT24C32D-SSHMT

Microchip Technology, Inc
SOP8

AT24C02C-SSHMT

Microchip Technology, Inc
SOP8

AT24C16C-SSHMT-B

Microchip Technology, Inc
SOP-8

AT93C56B-SSHMT

Microchip Technology, Inc
SOP8