

150NS, PLCC, IND TEMP, GREEN(EEPROM),EEPROM 256K HI-ENDURANCE
SDP- 150NS IND TEMP

Manufacturers	Microchip Technology, Inc
Package/Case	PLCC-32
Product Type	Memory
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for AT28C256E-15JU or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The Microchip AT28C256 is a high-performance 256Kbit Parallel EEPROM available in both Industrial and Military temp ranges, offering access times to 150ns with power dissipation of 440mW. Deselected, CMOS standby current is less than 200µA. Accessed like static RAM for the read or write cycle without external components, it contains a 64-byte page register to allow writing of up to 64 bytes simultaneously. Features an internal Error Correction Circuit for extended endurance and improved data retention, in Military version. Optional Software Data Protection mechanism guards against inadvertent writes; and an extra 64 bytes of EEPROM enables device identification or tracking.

The AT28C256 is also available DUAL MARKED where applicable with the appropriate Standard Military Drawing Number - 5962-88525xxx. See the datasheet for exact MIL product availability.

Features

32 Kbits x 8 (256 Kbit)

5V ± 10% Supply

Parallel Interface

AT28C256E - High Endurance 100K Write Cycles Option

AT28C256F - 3 ms Fast Write Option

150ns access time

Self-Timed Erase and Write Cycles (10 ms max)

Page Write and Byte Write

Data Polling for end of write detection

Available in Green (Pb/Halide-free) Packaging

Low Power Consumption

Read / Write current 40 mA (Max)

32-lead, Plastic J-leaded Chip Carrier (PLCC)

Standby current TTL 2 mA (Max), CMOS 200 μ A (Max)

Write-Protection

Hardware Protection

Software Data Protect

Data retention > 10 years

Temperature Ranges

Standard Temperature Range: -40°C to 85°C

Military Temperature Range: -55°C to 125°C

28-lead, 0.600" Wide, Plastic Dual Inline Package (PDIP)

28-lead, 0.300" Wide, Plastic Gull Wing Small Outline (SOIC)

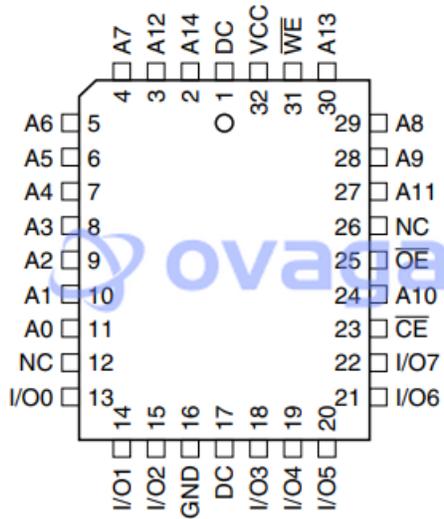
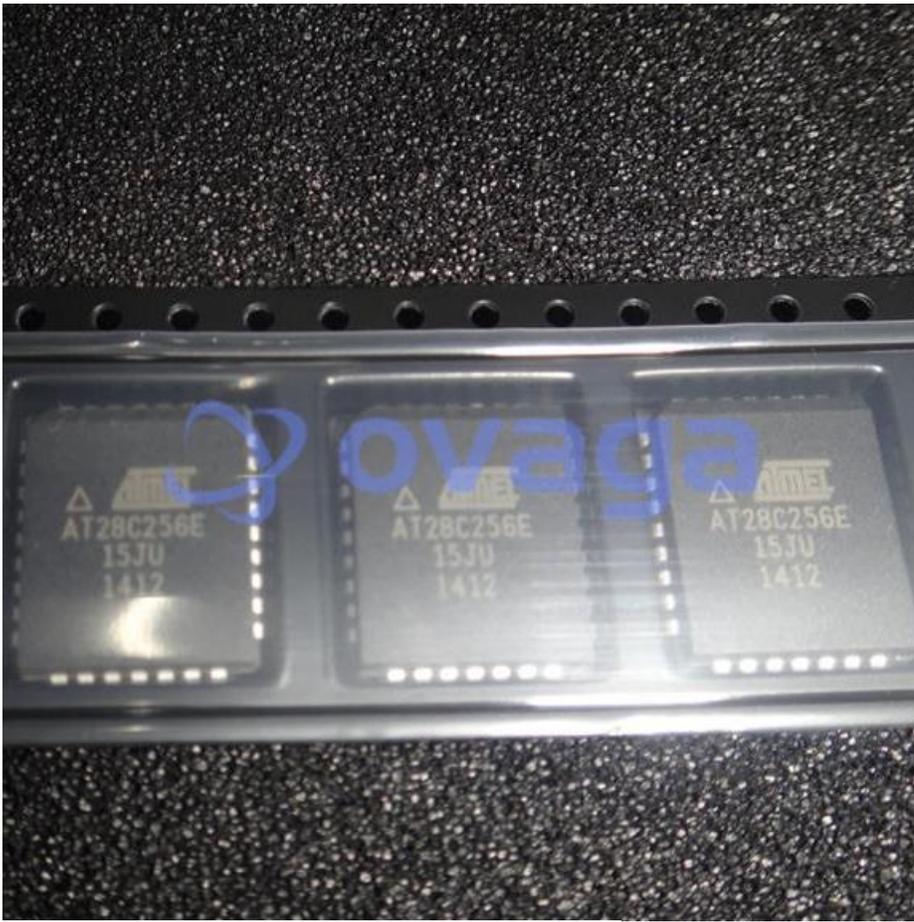
28-lead, Plastic Thin Small Outline Package (TSOP)

Available in SMD Dual marked (5962-88525xxxx) CERAMIC Hermetic Packaging

28-Lead, 0.600" Wide, Non-Windowed, Ceramic Dual Inline (Cerdip)

28-Lead, Non-Windowed, Ceramic Bottom-Brazed Flat Package (Flatpack)

32-Pad, Non-windowed, Ceramic, Leadless Chip Carrier (LCC)



Related Products



[AT27C010-45JU](#)

Microchip Technology, Inc
PLCC-32



[AT24CM02-SSHM-B](#)

Microchip Technology, Inc
SOIC-8



[AT24CM02-SSHD-B](#)

Microchip Technology, Inc
SOIC-8



[AT24C512C-SSHM-T](#)

Microchip Technology, Inc
SOIC-8



[24LC32AT-I/SN](#)

Microchip Technology, Inc
SOIC-8



[AT24C04D-MAHM-T](#)

Microchip Technology, Inc
UDFN-8



[AT28BV256-20SU](#)

Microchip Technology, Inc
SOIC-28



[AT28C010E-12DM/883](#)

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CERDIP-32