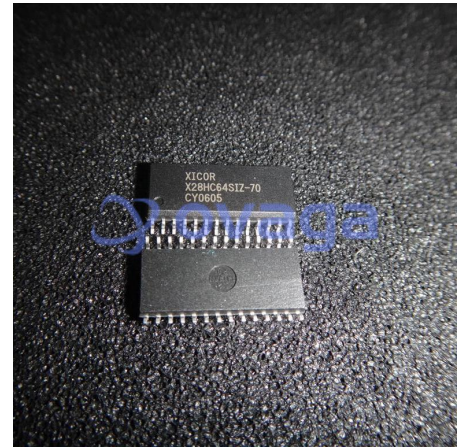


8K X 8 EEPROM,HIGH SPEED,CMOS,I.TEMP,70NS, PB FREE HT SUSA  
CODE:8542320050

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	SOIC28
Product Type	Memory
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for X28HC64SIZ-70 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The X28HC64 is an 8k x 8 EEPROM, fabricated with Intersil's proprietary, high performance, floating gate CMOS technology. Like all Intersil programmable nonvolatile memories, the X28HC64 is a 5V only device. It features the JEDEC approved pinout for byte-wide memories, compatible with industry standard RAMs. The X28HC64 supports a 64-byte page write operation, effectively providing a 32µs/byte write cycle, and enabling the entire memory to be typically written in 0.25 seconds. The X28HC64 also features DATA Polling and Toggle Bit Polling, two methods providing early end of write detection. In addition, the X28HC64 includes a user-optional software data protection mode that further enhances Intersil's hardware write protect capability. Intersil EEPROMs are designed and tested for applications requiring extended endurance. Inherent data retention is greater than 100 years.

## Features

70ns access time

Simple byte and page write

Single 5V supply

No external high voltages or  $V_{P,P}$  control circuits

Self-timed

No erase before write

No complex programming algorithms

No overerase problem

Low power CMOS

40mA active current maximum

200 $\mu$ A standby current maximum

Fast write cycle times

64-byte page write operation

Byte or page write cycle: 2ms typical

Complete memory rewrite: 0.25s typical

Effective byte write cycle time: 32 $\mu$ s typical

Software data protection

End of write detection

DATA polling

Toggle bit

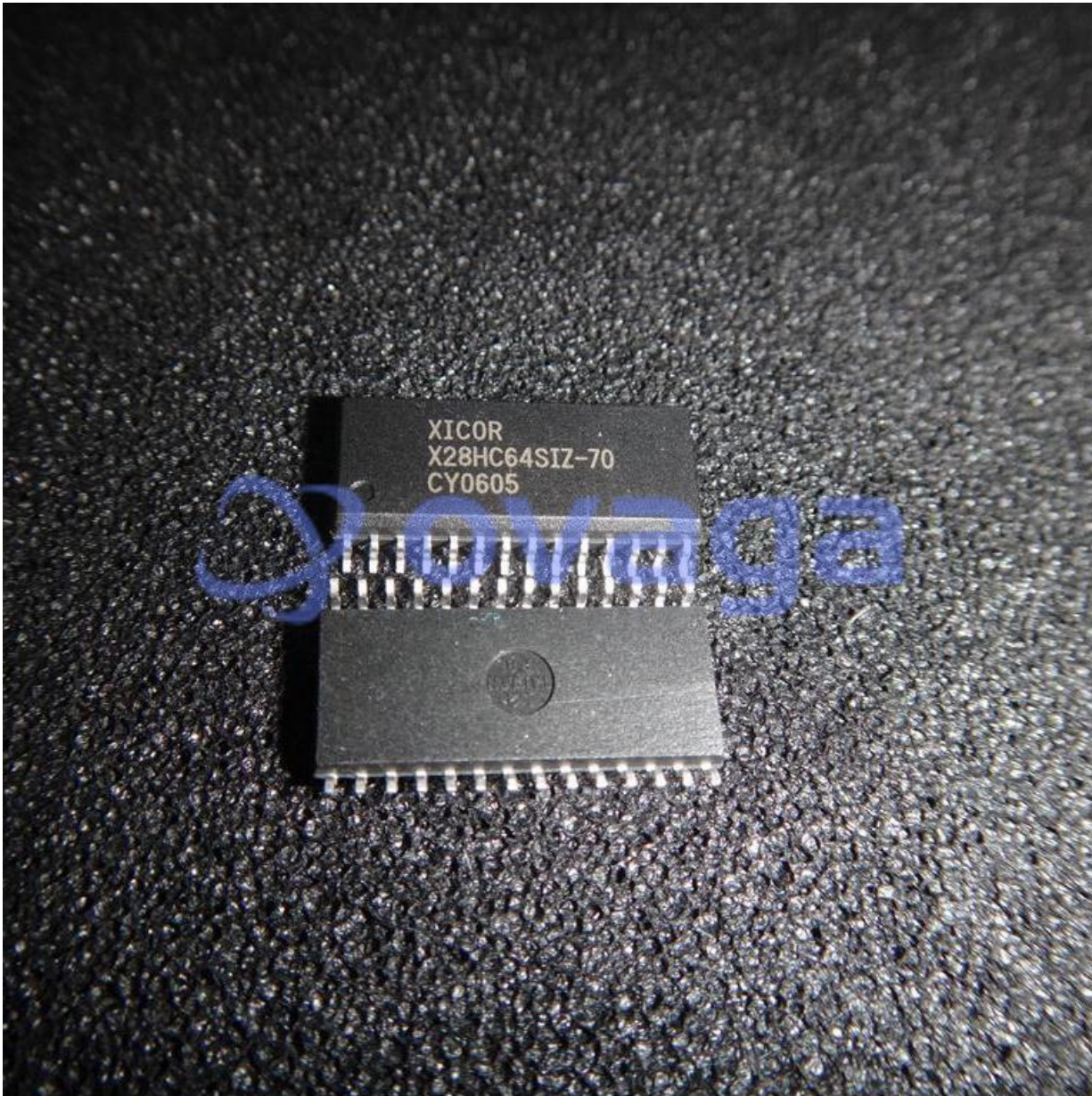
High reliability

Endurance: 100,000 cycles

Data retention: 100 years

JEDEC approved byte-wide pinout

Pb-free available (RoHS compliant)



**Related Products**



[X28HC256JI-12](#)

Renesas Technology Corp  
0037+X



[X28HC64SIZ-12](#)

Renesas Technology Corp  
SOP-28



[X28HC256PZ-15](#)

Renesas Technology Corp  
PDIP28



[R1EX24002ASAS0A](#)

Renesas Technology Corp  
SOP8



[X28HC256SIZ-90](#)

Renesas Technology Corp  
SOIC28



[X28HC256PIZ-12](#)

Renesas Technology Corp  
32K X 8 EEPROMCMOSHIGH SPEEDPDIPI.TEMP120NSP



[HN58X25256FPIE](#)

Renesas Technology Corp

SOP-8



[HN58X24256FPI](#)

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SOP8