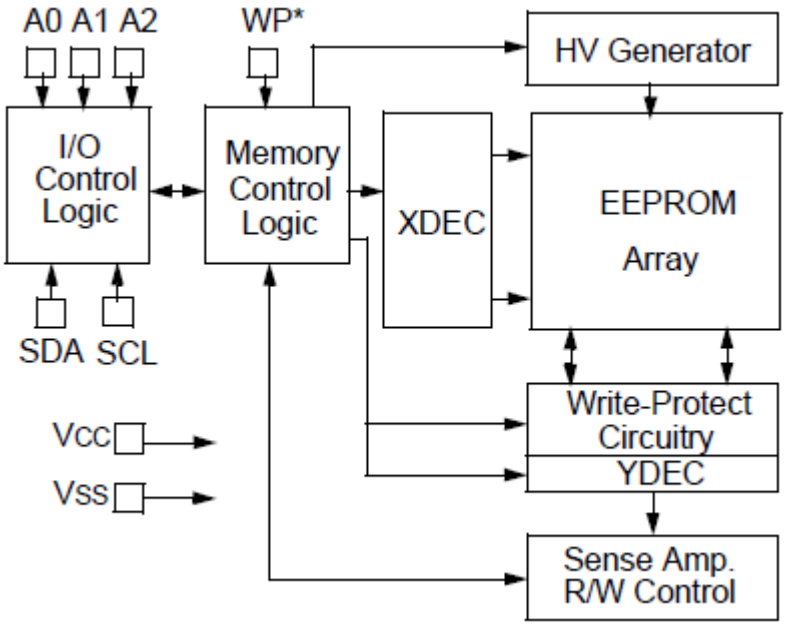
# 24AA025 2K I2C Serial EEPROM

## General Description:

The Microchip Technology Inc. 24AA025 is a 2 Kbit Serial Electrically Erasable PROM with a voltage range of 1.7V to 5.5V. The device is organized as a single block of 256 x 8-bit memory with a 2-wire serial interface. Low current design permits operation with typical standby and active currents of only 1 µA and 1 mA, respectively. The device has a page write capability for up to 16 bytes of data. Functional address lines allow the connection of up to eight 24AA025 devices on the same bus for up to 16K bits of contiguous EEPROM memory. The device is available in the standard 8-pin PDIP, 8-pin SOIC (3.90 mm), TSSOP, 2x3 DFN and TDFN and MSOP packages

## Key Features:

- Single supply with operation from 1.7V to 5.5V
- Low-power CMOS technology
- 2-wire serial interface, I2C™ compatible
- Cascadable up to eight devices
- Schmitt Trigger inputs for noise suppression
- Output slope control to eliminate ground bounce
- 100 kHz and 400 kHz clock compatibility
- Page write time 5 ms maximum
- Self-timed erase/write cycle
- 16-byte page write buffer
- Hardware write-protect
- More than 1 million erase/write cycles
- Data retention >200 years




## Applications:

- Microcontroller Interface
- Automotive
- Data Storage

- Medical and Power Monitoring

## Related Products Information:

| Mfr Part # | Farnell # | Newark # | Description |
|---|---|---|---|
| 24AA025E48-I/SN | 1814890 | 73R8707 | 2K I2C Serial EEPROM, SOIC |
| 24AA025E48T-I/OT | 1814891 | 74R6951 | 2K I2C Serial EEPROM, SOT-23 |