



AT25128B/AT25256B

SPI Serial EEPROM 128 Kbits (16,384 x 8) and 256 Kbits (32,768 x 8)

Features

- Serial Peripheral Interface (SPI) Compatible
- Supports SPI Modes 0 (0,0) and 3 (1,1):
 - Data sheet describes mode 0 operation
- Low-Voltage Operation:
 - 1.8V ($V_{CC} = 1.8V$ to 5.5V)
- Industrial Temperature Range: $-40^{\circ}C$ to $+85^{\circ}C$
- 20 MHz Clock Rate (5V)
- 64-Byte Page Mode
- Block Write Protection:
 - Protect 1/4, 1/2 or entire array
- Write-Protect (\overline{WP}) Pin and Write Disable Instructions for Both Hardware and Software Data Protection
- Self-Timed Write Cycle within 5 ms Maximum
- ESD Protection > 4,000V
- High Reliability:
 - Endurance: 1,000,000 write cycles
 - Data retention: 100 years
- Green (Lead-free/Halide-free/RoHS Compliant) Package Options
- Die Sale Options: Wafer Form and Bumped Wafers

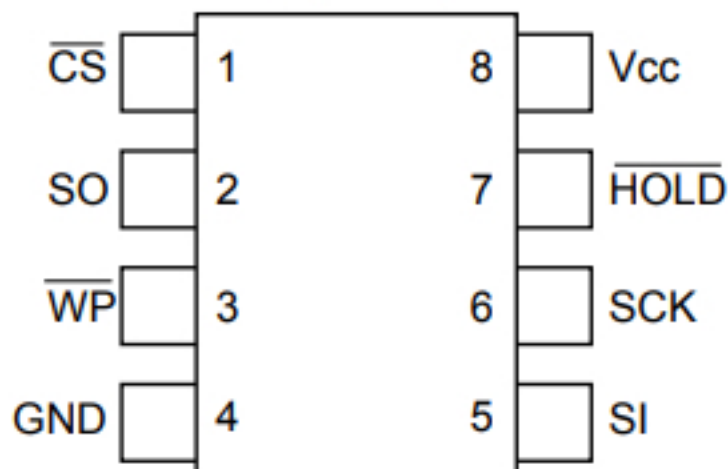
勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Packages

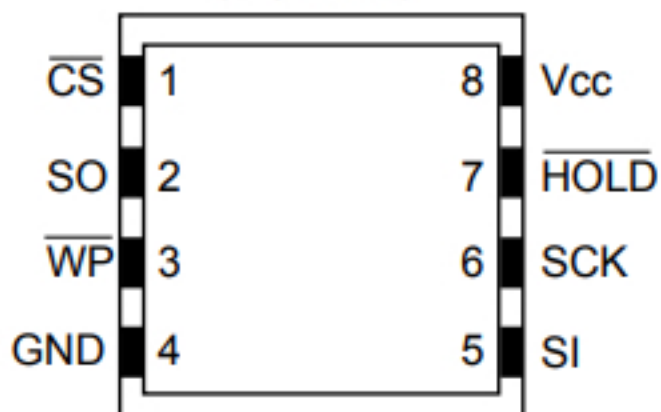
- 8-Lead SOIC, 8-Lead TSSOP, 8-Pad UDFN and 8-Ball VFBGA

1. Package Types (not to scale)

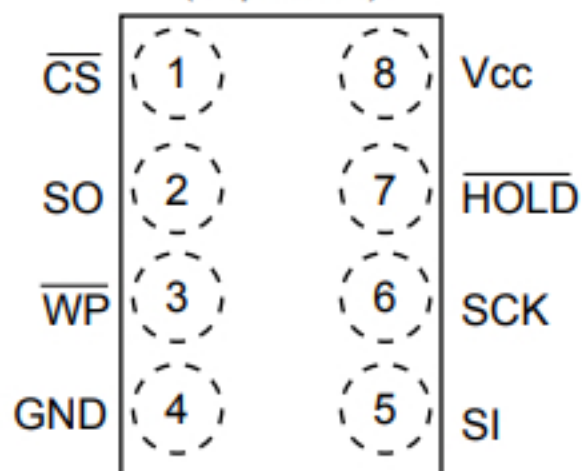
8-Lead SOIC/TSSOP
(Top View)



8-Pad UDFN
(Top View)



8-Ball VFBGA
(Top View)



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)