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Datasheet
Secure Digital Card

PRODUCT DESCRIPTION

SD Memory card (Secure Digital Memory Card) is a memory card that is specifically designed to meet the security, capacity, performance and environment requirements. The SD Memory Card will include a copyright protection mechanism that complies with the security of the SDMI standard and will be faster and capable for higher memory capacity. The SD Memory Card communication is based on an advanced 9-pin interface (Clock, Command, 4x Data and 3x Power lines) designed to operate in at maximum operating frequency of 50 MHz and low voltage range.

HHW's SD memory card is designed with industry leading edge micro controllers and 3D TLC flash to achieve high level performance, reliability and endurance. SD memory card is optimized for OEM applications where device life is the top priority.

FEATURES

- Compliance:
  - SD specification version3.0
- Operating voltage range
  - 2.7-3.6 V

- Power Consumption Note
  - Standby Current <250uA
  - Read Current <400mA
  - Write Current <400mA
- Performance :
  - Read Speed(Min): 45MB/s
  - Write Speed(Min): 30MB/s

- Available Storage Capacities:
  - 128-256GB

- Operating Temperature : -25°C to 85 °C ;

- Storage Temperature : -25°C to 85 °C ;

- Flash Type :TLC NAND Flash

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1.1 AC Characteristics

Clock CLK (All values are referred to min (VIH) and max (VIL)					

Clock

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2 PHYSICAL DIMENSIONS

Length	32.0mm (+/- 0.1mm)
Width	24.0mm (+/- 0.1mm)
Thickness	2.1mm (+/- 0.15mm)

2.1 Package Dimensions

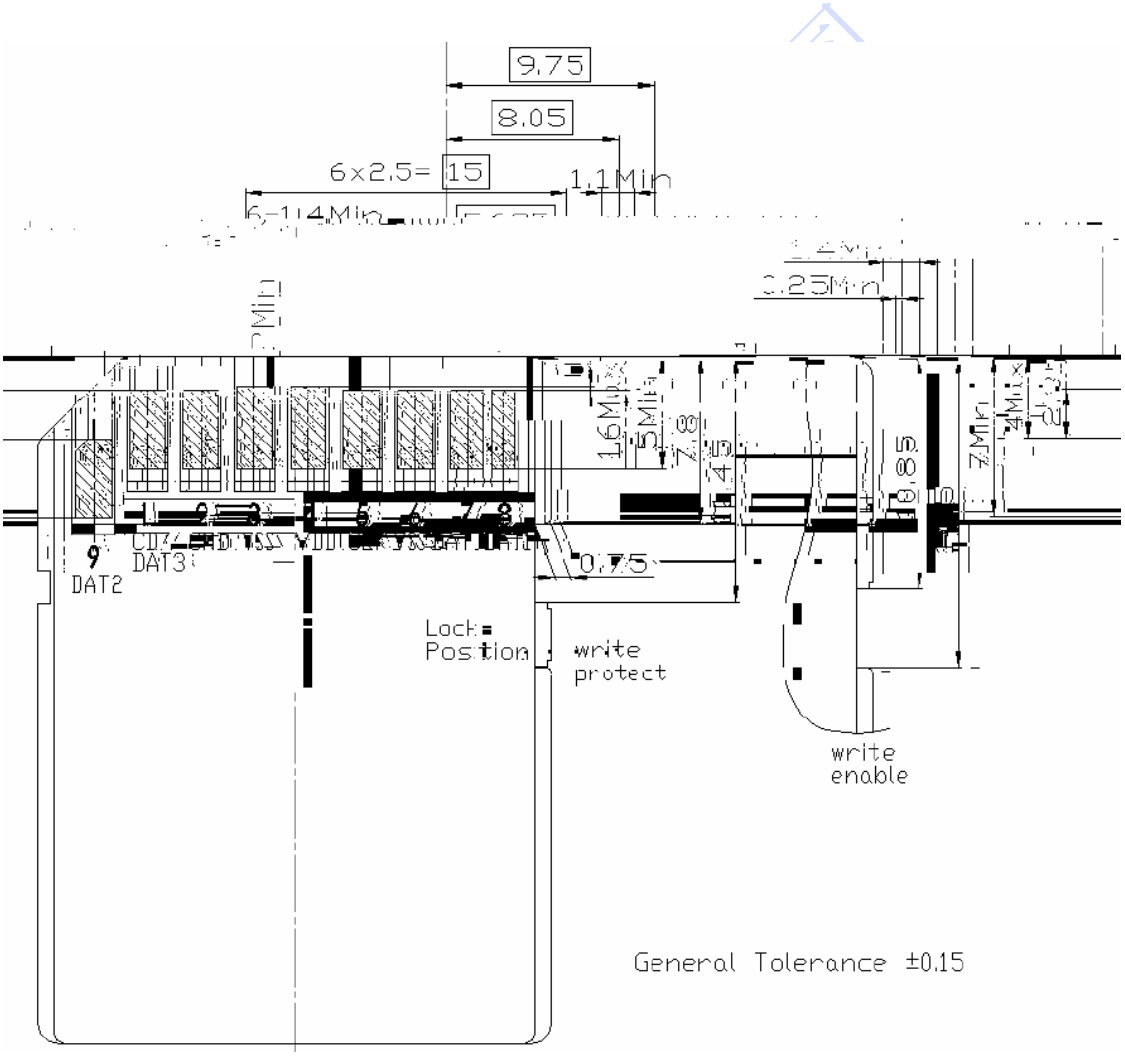


Figure 4-1a: SD card dimension

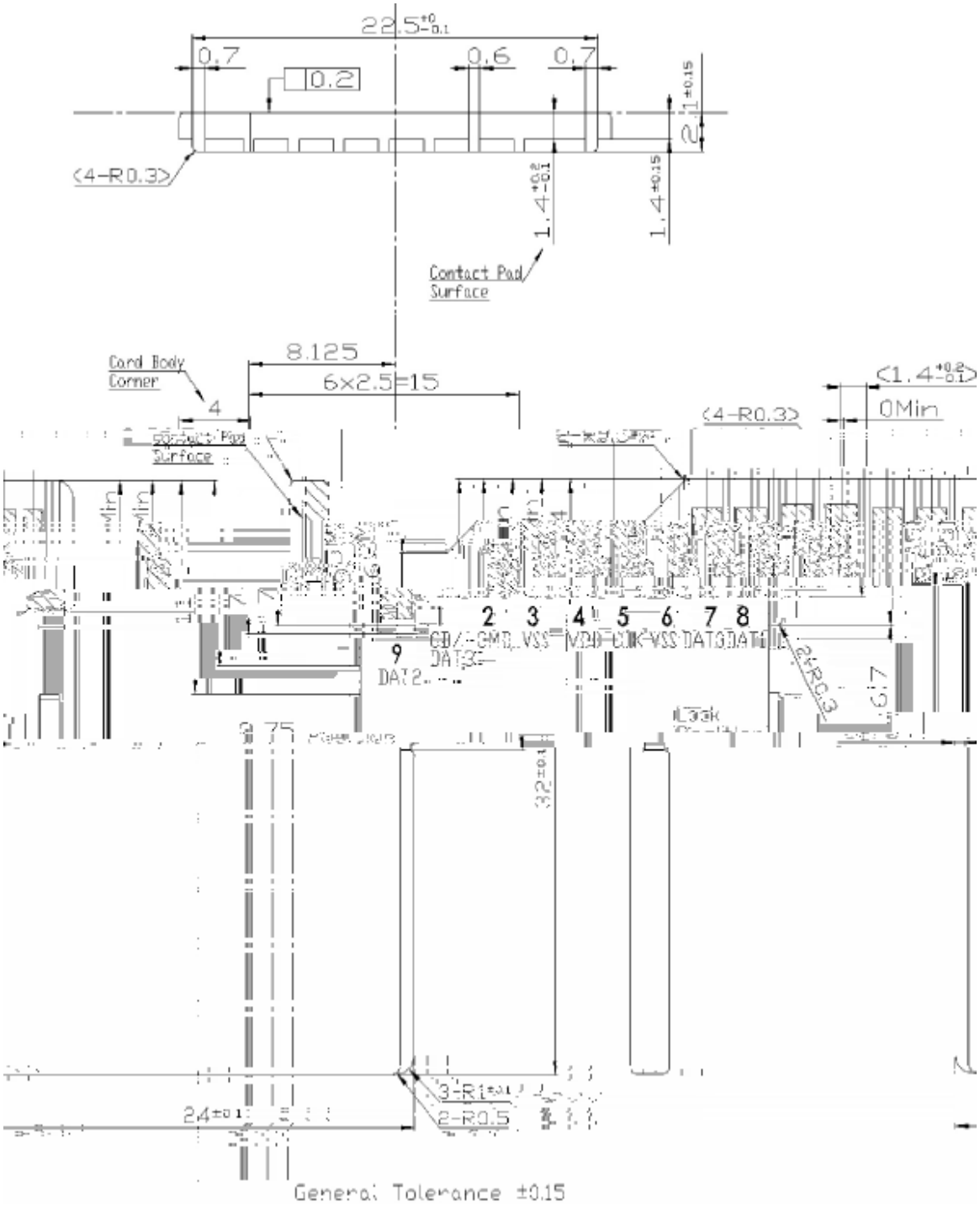


Figure 4-1b: SD card dimension

3 Part Number and Ordering

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