

## 256GB M.2 SATA SSD



The DATARAM SSDM2-SATA M.2 (Solid State Drive) family fully consists of semiconductor devices using NAND Flash Memory which provide high reliability and high performance for a storage media. The SSD does not have any moving parts such as platter (disk) and head media, which provides a better solution in a notebook PC, Tablet PC and industrial PC for a storage device providing higher performance, reduced latencies, and a low power consumption in a small form factor.

#### **Identification/Capacity**

SSDM2-SATA-256GB

#### Form Factor:

M.2 2280

#### **Host interface:**

SATA 6.0Gbps (SATA-III) SATA 3.0Gbps (SATA-II) SATA 1.5Gbps (SATA-I)

#### **Power Consumption**

Active write: 4280mW Active read: 2780mW

#### **Performance**

Host transfer rate:

Sequential Read: Up to 500MB/s Sequential Write: Up to 550MB/s

Access Time: 0.2ms Seek Time: Oms

### **Temperature**

Operating: 0°C to 70°C

#### **MTBF**

- 1,000,000 Hours

#### Shock

Shock: 1500G, duration 0.5ms, Half Sine Wave Vibration: 7~800Hz, 3.08Grms, 30min/axis (X,Y,Z)

SSDM2-SATA-256GB 19-Nov19



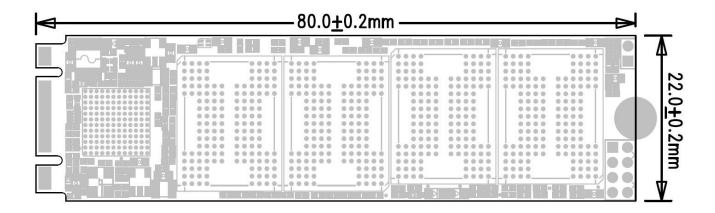
# SSDM2-SATA-256GB

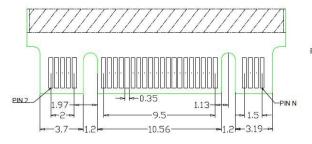
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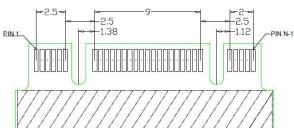
# **Mechanical Specification**

Length: 80.0 ± 0.2 mm
Width: 22.0± 0.2 mm
Thickness: 2.20 ± 0.15 mm

- Weight: <7.0g







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