

Industrial Temperature



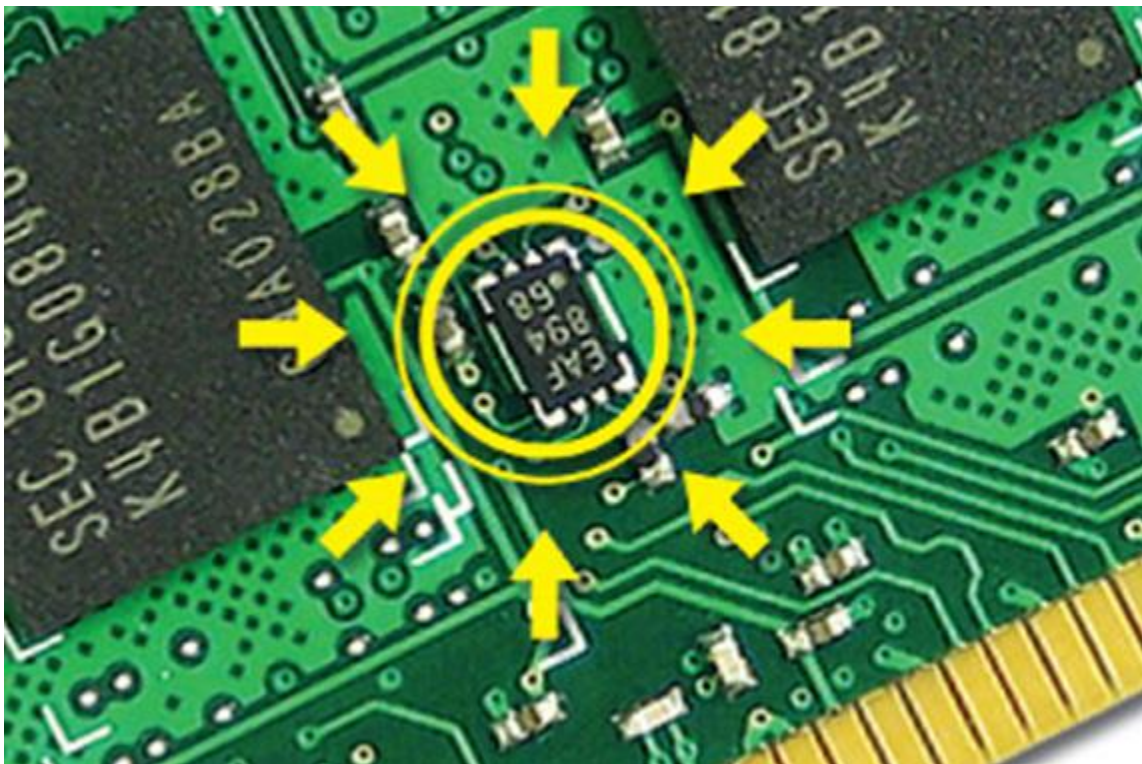
DDR3 ECC SO-DIMM

Comprised of high-quality DDR3 chips and extra-durable components, Transcend's Industrial Grade Temp ECC SO-DIMM is an ideal choice for space-constrained applications that require rugged durability and flawlessly stable operation. With industrial range (-40° to 85°C) operating temperature flexibility, these memory modules are specially engineered to continue delivering optimum performance even in extreme hot or cold environments. Moreover, Transcend's DDR3 ECC SO-DIMM features Error Correcting Code that monitors the data that gets transferred in and out of the module, and corrects any errors found. This greatly decreases the risk of computational errors during complex tasks, thus improving overall system reliability.

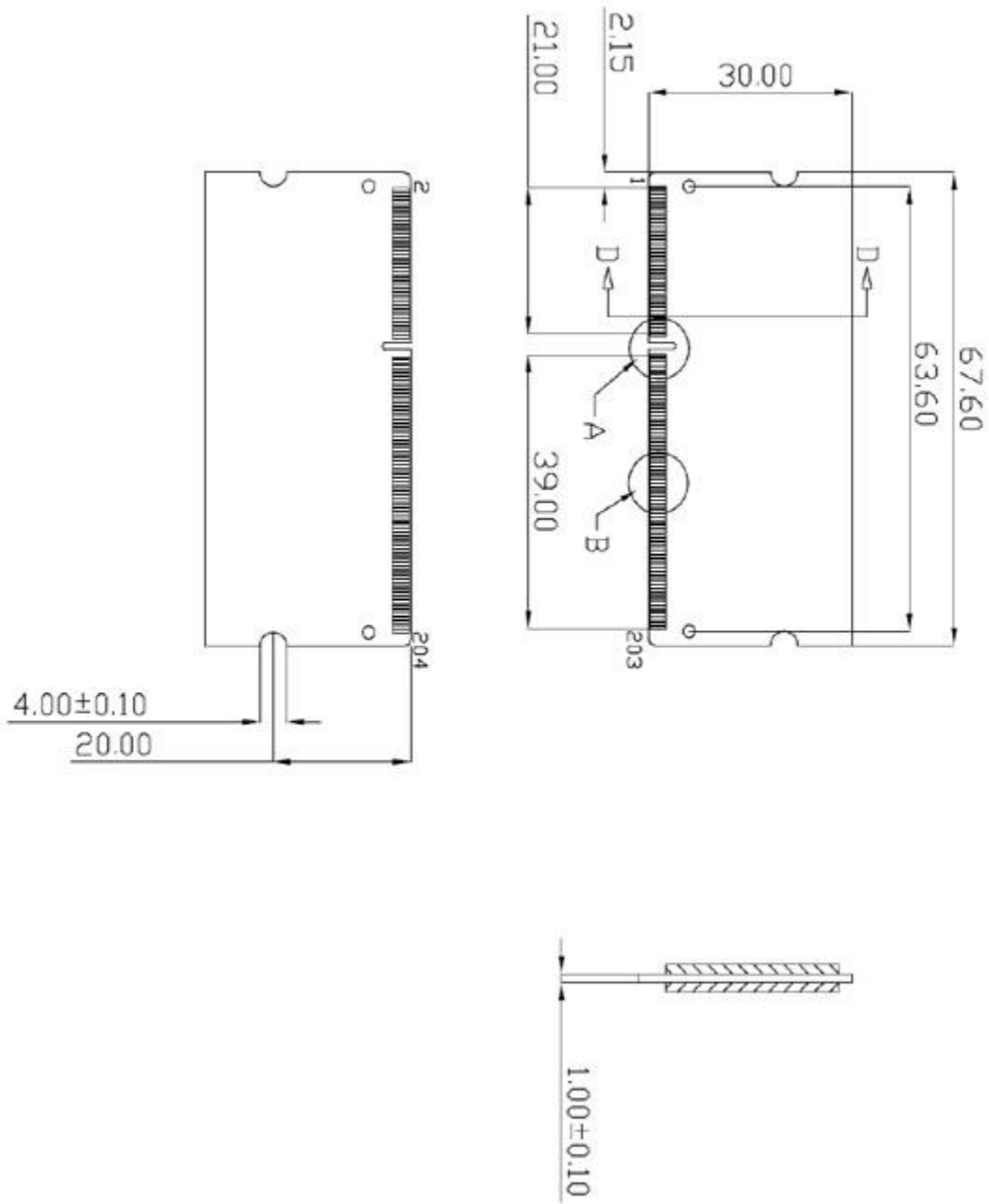
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Features

- JEDEC standard $1.5V \pm 0.075V$ power supply
- 8 bit pre-fetch
- Burst Length: 4, 8
- Bi-directional differential data-strobe
- Internal calibration through ZQ pin
- On-die termination with ODT pin
- Serial presence detect with EEPROM
- On DIMM Thermal Sensor support
- Support ECC error detection and correction
- Gold plating of PCB gold finger is 30u
- Industrial grade capacitors ensure voltage stability
- 100% tested for stability, compatibility and performance



Specifications



Module Type	DDR3 ECC Unbuffered SO-DIMM
Frequency	667/800MHz for 1333Mb/s/Pin
Number of Rank(s)	1 rank/ 2 ranks
Number of Pin(s)	204 pin
Capacity	2GB / 4GB / 8GB
DRAM Configuration	256Mx8 / 512Mx8
Timing Description	9-9-9 / 11-11-11
Voltage	1.5V
PCB Height	1.18 inches
Operating Temperature	-40°C ≤ Ta ≤ 85°C Note: Operating temperature is the ambient temperature (Ta)
Warranty	Limited Lifetime Warranty* *Please access here for more information about Transcend Warranty Policy.

Due to the complexity and variety of industrial applications, Transcend cannot guarantee 100% compatibility with all platforms and under all scenarios.

For special applications and environments, it is strongly suggested to contact Transcend beforehand for clarification.