

Industrial Temperature

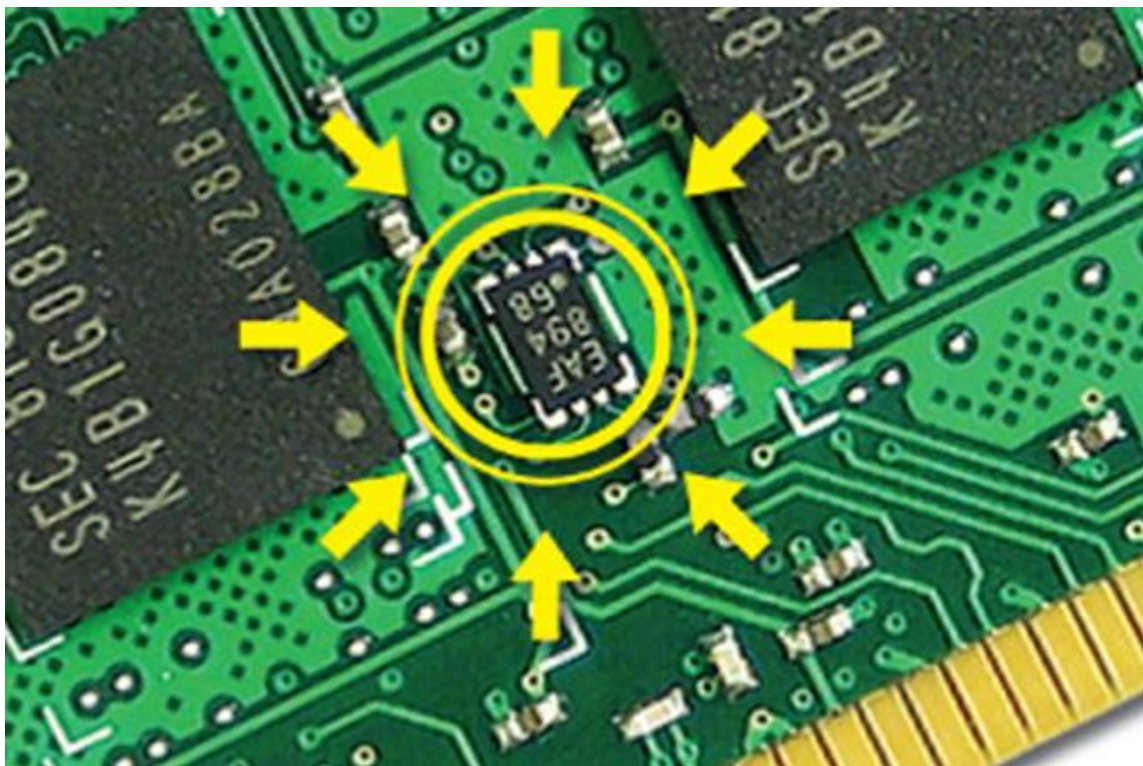


DDR3L ECC SO-DIMM

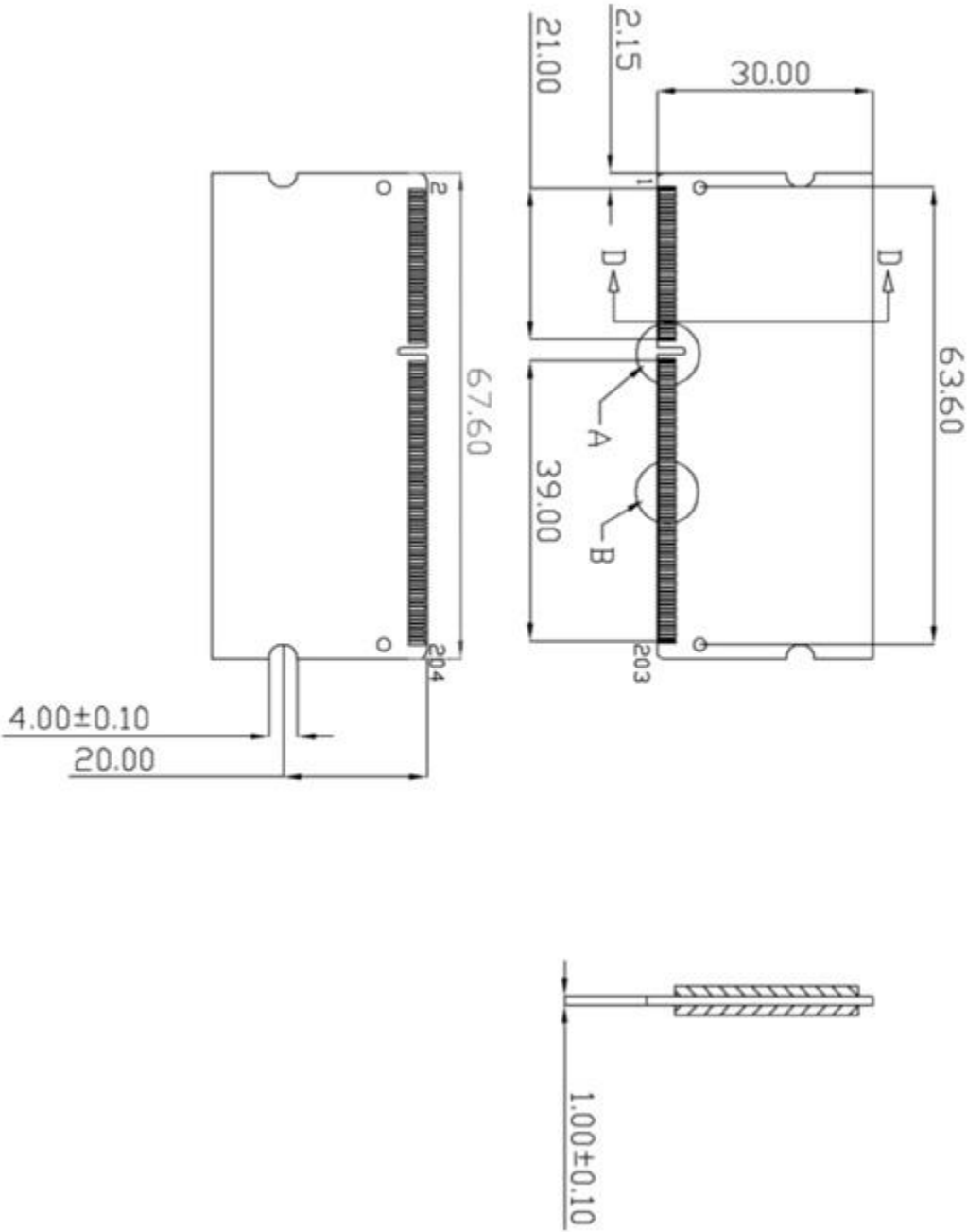
With industrial range (-40° to 85°C) operating temperature flexibility, Transcend's Industrial Grade Temp DDR3 Low Voltage ECC SO-DIMM modules are specially engineered to maintain optimum performance even in extreme hot or cold environments. These modules offer unparalleled stability and synchronized performance for today's latest high-powered server-class computing systems. Operating at a nominal voltage of just 1.35V presents several advantages, such as a lower electrical load on the memory controller and reduced power consumption. To increase overall system reliability, Transcend's Industrial Temp DDR3 Low Voltage ECC SO-DIMM also features Error Correcting Code (ECC) which monitors data being transferred in and out of memory and corrects any errors found.

Features

- JEDEC standard 1.35V(1.28V~1.45V) & 1.5V(1.425V~1.575V)
- 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
- Asynchronous reset
- 100% tested for stability, compatibility and performance



Specifications



Module Type

DDR3L ECC Unbuffered SO-DIMM

Frequency

800MHz for 1600Mb/s/Pin

Number of Rank(s)	2 ranks
Number of Pin(s)	204 pin
Capacity	8GB
DRAM Configuration	512Mx8
Timing Description	11-11-11
Voltage	1.35V
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.