1 Gigx64 DDR4 SDRAM SODIMM based on 1024x8, 16 Banks, 8K Refresh, 1.2V Synchronous DRAMs with SPD.
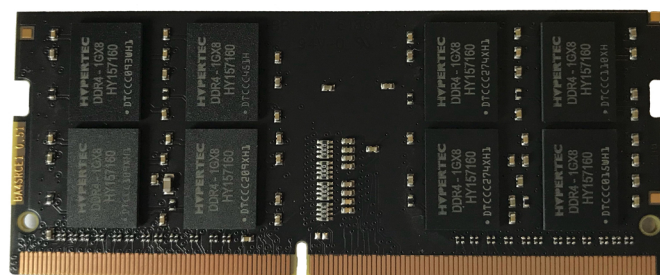
hyperam® HYPERTEC

DESCRIPTION

The Hyperam® 8GB DDR4 SODIMM 1 Gig x64 memory module is organised as 1024x8 bits in a 260 pin memory module. The 8GB memory module uses 16 pieces 1024x8 DDR4 SDRAMs. The x64 modules are ideal for use in high performance computer systems where increased memory density and fast access are required. The SPD is programmed to JEDEC standard latency and timing at 1.2V, this SODIMM uses gold edge contacts.

FEATURES

- 260-pin, dual-in-line memory module (SODIMM),

- Reset pin for imporved system stability

- On-Die Termination (ODT)

- Temperature sensor with integrated SPD

- Per DRAM Addressability is supported

- Internal Vref DQ level generation is available

- Gold edge contacts

- Lead free and ROHS compliant

- Low power auto self refresh (LPASR)

- Lifetime warranty

SPECIFICATIONS

Programmable CAS Latency	19
Fast Data Transfer Rates	PC4 - 2666
Capacity	8GB (1Gig x 64)
VDD = VDDQ	1.2V
VDDSPD	2.25V to 2.75V
Banks	16 internal banks
Operating Temperature	0°C to 85°C
Storage Temperature	-55°C to =100°C

Picture for illustration purposes only

PLEASE NOTE: The Hypertec module defined in this specification is one of several configurations available under this part number. All configurations are compatible, however, the DRAM combination and/or Memory module height may vary.