8 Gig x72 DDR4 SDRAM LRDIMM based on DDP 4096 X 4 16Banks, 8K Refresh, 1.2V Synchronous DRAMs with SPD.

hyperam®
HYPERTEC

DESCRIPTION

The Hyperam® 64GB DDR4 LRDIMM 4096x4 memory module is organised as 8 Gig x 72 bits in a 288 pin memory module. The 64GB memory module uses 16 pieces 4096M x 4 DDR4 SDRAMs. The x64 modules are ideal for use in high perform-ance 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 LRDIMM uses gold edge contacts.

FEATURES

• 288-pin, load reduced dual-in-line memory module (LRDIMM),

• 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	64GB (8 Gig x72)
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

IMAGE 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 compat-ible, however, the DRAM combination and/or Memory module height may vary.