

Micron DDR5 DRAM fuels performance

Unleashing the memory bandwidth to turn massive data sets into insights

● RAS

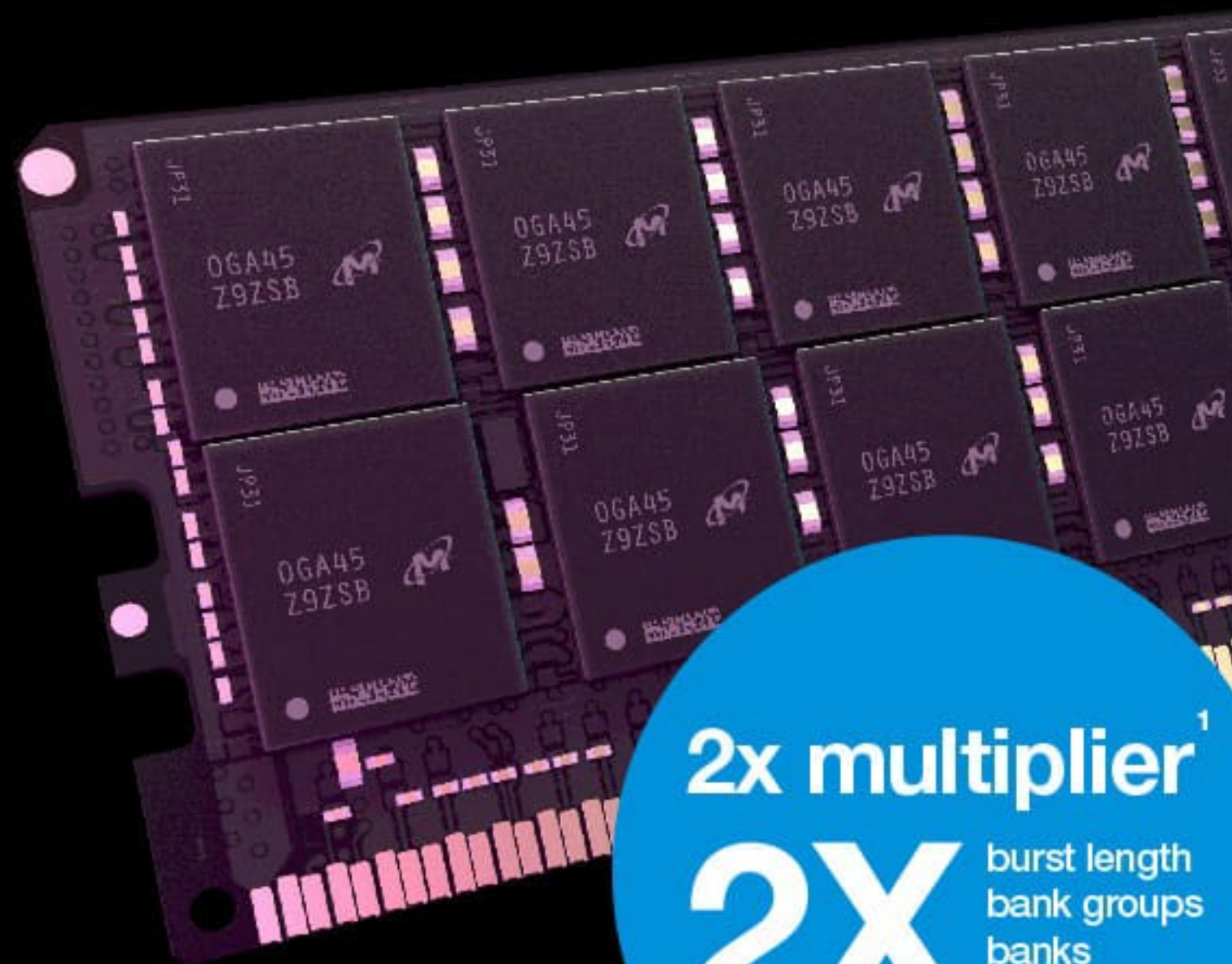
On-die error correction code (ODECC)

● DFE

Decision feedback equalization for signal integrity at higher data rates

● Capacity

96GB RDIMM



2x multiplier¹

2X burst length
bank groups
banks
bandwidth*

* 2x or higher

Improving overall performance¹



Database tables
SAP SD 43% ↑



High-performance computing
Multiple workloads³ >200% ↑



Business analytics
SPECjbb[®] 48% ↑

DDR5 MEMORY BENEFITS

Higher bus efficiency

Greater than 36%¹

Increased performance

More than 2x¹

Faster transfer speed

Up to 8800 MT/s²

Footnote: ¹ Feature and benchmark test comparison of DDR5 vs DDR4.

² Based on defined JEDEC specification.

³ Results based on HPC workload benchmarks for OpenFOAM, Cloverleaf, CP2K, WRF, POT3D.

