



## DDR Memory Form Factors

Parameters	LRDIMM	DIMM (Reg. & Unb. ECC)	Mini-DIMM (Reg. & Unb. ECC)	SODIMM nonECC	SODIMM ECC	Micro-DIMM
<b>Industry standard module</b>		W:133.35 mmH:30.00 mm T:4.00 mm	W:82.00 mmH:30.00 mm T:3.80 mm	W:67.60 mmH:30.00 mm T:3.80 mm	W:67.60 mmH:30.00 mm T:3.80 mm	W:54.00 mmH:30.00 mm T:3.95 mm
Maximum number of footprint DRAM per module (based on 2Gbit monolithic DRAM)	36	36	18	16	18	8
Module density (based on 2Gbit monolithic DRAM)	8GB	8GB	4GB	4GB	4GB	2GB
<b>Industry standard VLP module</b>	Under development	W:133.35 mmH:18.75 mm T:4.00 mm	Not available	Under development	Not available	Not available
Maximum number of footprint DRAM per module (based on 2Gbit monolithic DRAM)	18	18	9	8	9	N/A
Module density (based on 2Gbit monolithic DRAM)	4GB	4GB	2GB	2GB	2GB	N/A
<b>Application specific/Enhanced memory module</b>	Under development	W:133.35 mmH:18.29 mm T:3.67 mm	W:82.00 mmH:18.29 mm T:3.40 mm	W:67.60 mmH:18.29 mm T:3.40 mm	W:67.60 mmH:18.29 mm T:3.40 mm	N/A
Maximum number of footprint DRAM per module (based on 2Gbit monolithic DRAM)	18	18	18	8	9	N/A
Module density (based on 2Gbit monolithic DRAM)	4GB	4GB	4GB	2GB	2GB	N/A
<b>Socket orientation available</b>	Vertical, Horizontal, 22.5 degree	Vertical, Horizontal, 22.5 degree	Vertical, Horizontal, 22.5 degree	Horizontal	Horizontal	Horizontal