

DDR4 Value Memory

Why SMART?

- Savings passed on to customer by leveraging SMART buying power
- FA process support
- Warranty support
- Locked BOM part numbers
- Early PCNs with multi-sourced replacement options
- Inventory positioning and flexibility
- Lower excess material cost and risk
- Supply chain visibility and operational control

SMART offers a wide lineup of Value Memory; cost-effective Tier 1 ODM JEDEC-standard DDR4 memory modules designed for budget conscious applications. SMART is able to provide this series of Value Memory modules by leveraging its more than \$1 Billion of purchasing power with its supplier relationships. SMART buys its finished lineup of commodity-class memory modules directly from Samsung[®], Micron[®] and Hynix[®].

Applications

- For industry segments using mainstream JEDEC-standard modules

Additional Services

- Full support from SMART as your DRAM supplier
- Cost effective and economic solutions
- Quick turnarounds on time-sensitive jobs
- Most common Value Memory products:
16GB, 32GB RDIMMs, 4GB, 8GB, 16GB Non-ECC SO-DIMMs
- SMTL test reports (per customer request)
- Labeled with original ODM and SMART labels

DDR4 Memory Modules

288-PIN - DDR4 RDIMM (Standard Height & VLP)

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST3277RD440465-SM	256GB	31.25	32Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST3277RD440444-SM	256GB	31.25	32Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST1637RD440465-SM	128GB	31.25	16Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST1637RD440444-SM	128GB	31.25	16Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST1637RD440444-SM1	128GB	31.25	16Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST1637RD420423-SB	128GB	31.25	16Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
ST8197RD440425-SA	64GB	31.25	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST8197RD440414-SA	64GB	31.25	8Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST8197RD440414-SM	64GB	31.25	8Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST8197RD420423-SB	64GB	31.25	4Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
ST8197RD440493-SM	64GB	31.25	8Gb x72	4Gx4	2666MT/s	1.2V	0°C to +70°C
ST4097RD420425-SD	32GB	31.25	4Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
ST4097RD420825-SA	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST4097RD440425-SA	32GB	31.25	4Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST4097RD420414-HC	32GB	31.25	4Gb x72	2Gx4	2933MT/s	1.2V	0°C to +70°C
ST4097RD420414-SC	32GB	31.25	4Gb x72	2Gx4	2933MT/s	1.2V	0°C to +70°C
ST4097RD420414-SD	32GB	31.25	4Gb x72	2Gx4	2933MT/s	1.2V	0°C to +70°C
ST4097RD420814-SA	32GB	31.25	4Gb x72	2Gx8	2933MT/s	1.2V	0°C to +70°C
ST4097RD440414-SA	32GB	31.25	4Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST4097RD420493-HC	32GB	31.25	4Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
ST4097RD420493-SC	32GB	31.25	4Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
STB4097RD420493-SC	32GB	31.25	4Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
STI4097RD420493-SC	32GB	31.25	4Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
ST2047RD410825-HD	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047RD410825-SD	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047RD420425-SD	16GB	31.25	2Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
STI2047RD420425-SD	16GB	31.25	2Gb x72	2Gx4	3200MT/s	1.2V	-40°C to +85°C
ST2047RD410814-HC	16GB	31.25	2Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST2047RD410814-HD	16GB	31.25	2Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST2047RD410814-SC	16GB	31.25	2Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST2047RD420414-HC	16GB	31.25	2Gb x72	2Gx4	2933MT/s	1.2V	0°C to +70°C
ST2047RD420414-SC	16GB	31.25	2Gb x72	2Gx4	2933MT/s	1.2V	0°C to +70°C
ST2047RD420414-SD	16GB	31.25	2Gb x72	2Gx4	2933MT/s	1.2V	0°C to +70°C
STB2047RD420414-SD	16GB	31.25	2Gb x72	2Gx4	2933MT/s	1.2V	0°C to +70°C
STB2047RD420414-SC	16GB	31.25	2Gb x72	2Gx4	2933MT/s	1.2V	-25°C to +85°C
ST2047RD410893-HC	16GB	31.25	2Gb x72	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST2047RD410893-SC	16GB	31.25	2Gb x72	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST2047RD420493-HC	16GB	31.25	2Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
ST2047RD420493-SC	16GB	31.25	2Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
ST2047RD420493-SD	16GB	31.25	2Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C
STI2047RD410893-SC	16GB	31.25	2Gb x72	1Gx8	2666MT/s	1.2V	-40°C to +85°C
STI2047RD420493-SC	16GB	31.25	2Gb x72	2Gx4	2666MT/s	1.2V	-40°C to +85°C
ST1027RD410825-SD	8GB	31.25	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027RD410814-SD	8GB	31.25	1Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST1027RD410893-HC	8GB	31.25	1Gb x72	1Gx8	2666MT/s	1.2V	0°C to +70°C

288-PIN - DDR4 ECC UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST4097UD420825-SA	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047UD410825-SD	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047UD410814-HD	16GB	31.25	2Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST1027UD410825-SD	8GB	31.25	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027UD410814-HD	8GB	31.25	1Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST1027UD410814-SD	8GB	31.25	1Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C

DDR4 Memory Modules Continued

288-PIN - DDR4 non-ECC UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST2046UD410814-HD	16GB	31.25	2Gb x64	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST2046UD410814-SD	16GB	31.25	2Gb x64	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST2046UD410893-HC	16GB	31.25	2Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST2046UD410893-SC	16GB	31.25	2Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
STI2046UD410893-SC	16GB	31.25	2Gb x64	1Gx8	2666MT/s	1.2V	-40°C to +85°C
ST1026UD410814-HD	8GB	31.25	1Gb x64	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST1026UD410893-HC	8GB	31.25	1Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST1026UD410893-SC	8GB	31.25	1Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST5126UD451614-HD	4GB	31.25	512Mb x64	512Mx16	2933MT/s	1.2V	0°C to +70°C
ST5126UD451693-HC	4GB	31.25	512Mb x64	512Mx16	2666MT/s	1.2V	0°C to +70°C
ST5126UD451693-HD	4GB	31.25	512Mb x64	512Mx16	2666MT/s	1.2V	0°C to +70°C
ST5126UD451693-SC	4GB	31.25	512Mb x64	512Mx16	2666MT/s	1.2V	0°C to +70°C
260-PIN - DDR4 ECC SO-DIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST2047SO410814-HD	16GB	30	2Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST1027SO410825-SD	8GB	30	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027SO410814-HD	8GB	30	1Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST1027SO410814-SD	8GB	30	1Gb x72	1Gx8	2933MT/s	1.2V	0°C to +70°C
260-PIN - DDR4 Non-ECC SO-DIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST4096SO420825-SA	32GB	30	4Gb x64	2Gx8	3200MT/s	1.2V	0°C to +70°C
STI4096SO420893-SM	32GB	30	32Gb x64	2Gx8	2666MT/s	1.2V	-40°C to +85°C
ST2046SO410825-SD	16GB	30	2Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
STI2046SO410825-SD	16GB	30	2Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST2046SO410814-HD	16GB	30	2Gb x64	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST2046SO410893-HC	16GB	30	2Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST2046SO410893-SD	16GB	30	2Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
STI2046SO410893-SD	16GB	30	2Gb x64	1Gx8	2666MT/s	1.2V	-40°C to +85°C
STI1026SO410825-SD	8GB	30	1Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST1026SO410814-HD	8GB	30	1Gb x64	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST1026SO410893-HC	8GB	30	1Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST1026SO410893-SD	8GB	30	1Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
STI1026SO410893-SD	8GB	30	1Gb x64	1Gx8	2666MT/s	1.2V	-40°C to +85°C
ST5126SO451614-HD	4GB	30	512Mb x64	512Mx16	2933MT/s	1.2V	0°C to +70°C
ST5126SO451693-HC	4GB	30	512Mb x64	512Mx16	2666MT/s	1.2V	0°C to +70°C
ST5126SO451693-SC	4GB	30	512Mb x64	512Mx16	2666MT/s	1.2V	0°C to +70°C
288-PIN - DDR4 LRDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST3277LR440444-SM	256GB	31.25	32Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST1637LR440414-SM	128GB	31.25	16Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST1637LR440414-SM1	128GB	31.25	16Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST1637LR420402-HM	128GB	31.25	16Gb x72	2Gx4	2400MT/s	1.2V	0°C to +70°C
ST8197LR420425-SD	64GB	31.25	8Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
ST8197LR420414-SC	64GB	31.25	8Gb x72	2Gx4	2933MT/s	1.2V	0°C to +70°C
ST8197LR420414-SD	64GB	31.25	8Gb x72	4Gx4	2933MT/s	1.2V	0°C to +70°C
ST8197LR420493-SC	64GB	31.25	8Gb x72	2Gx4	2666MT/s	1.2V	0°C to +70°C

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