



DuraMemory™



SMART DuraMemory for Industrial Applications

Reliable, Trusted, Proven

Why SMART?

- Designed for intense and continual performance in intelligent factories, automated machinery, smart buildings, automated agricultural equipment and connected transportation
- Wide variety of memory products and services are well-suited to provide long-term and reliable support specifically aligned for IIoT applications
- Designed and built to withstand extreme environments
- Undergo rigorous, mission-critical test process exposing modules to extreme temperatures, moisture, vibration and other extreme conditions
- Long-term support aligned for industrial applications



Products shown represent a sampling of SMART DIMMs for industrial applications

Special features to support Industrial applications



100% high and low temperature testing



Conformal coating for moisture and environmental protection



Component underfill for vibration resistance



Selective DRAM component sourcing for high altitude applications



Anti-sulfur passive components for environmental protection



Module retention clips for high shock and vibration applications

Applications

- Automated manufacturing systems
- Industrial PCs
- Medical devices
- Oil, gas and drilling
- COTS
- Industrial blade servers

DDR5 Ordering Information

288-PIN - DDR5 RDIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SR18G8RD5445-SB	64GB	31.25	8Gb x80	4Gx4	4800MT/s	1.1V	-40°C to +85°C
SR4G8RD5448-SP	32GB	31.25	4Gb x80	4Gx4	5600MT/s	1.1V	0°C to +70°C
SRI4G8RD5445-SB	32GB	31.25	4Gb x80	4Gx4	4800MT/s	1.1V	-40°C to +85°C
SRI4G8RD5285-SB	32GB	31.25	4Gb x80	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR3G8RD5388-SP	24GB	31.25	3Gb x80	3Gx8	5600MT/s	1.1V	0°C to +70°C
SR2G8RD5288-SP	16GB	31.25	2Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRI2G8RD5285-SB	16GB	31.25	2Gb x80	2Gx8	4800MT/s	1.1V	-40°C to +85°C

288-PIN - DDR5 VLP RDIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SR4G8RD5288MDV	32GB	18.75	4Gb x80	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR4G8RD5285HAV	32GB	18.75	4Gb x80	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G8RD5285SBV	32GB	18.75	4Gb x80	2Gx8	4800MT/s	1.1V	0°C to +70°C

262-PIN - DDR5 Non-ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SR6G6SO5385SB	48GB	30.00	6Gb x64	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR6G6SO5385MB	48GB	30.00	6Gb x64	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G6SO5288-SP	32GB	30.00	4Gb x64	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR4G6SO5285SB	32GB	30.00	4Gb x64	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI4G6SO5285-SB	32GB	30.00	4Gb x64	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR4G6SO5285-SB	32GB	30.00	4Gb x64	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR3G6SO5385SB	24GB	30.00	3Gb x64	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR2G6SO5288-SP	16GB	30.00	2Gb x64	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR2G6SO5285SB	16GB	30.00	2Gb x64	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI2G6SO5285-SB	16GB	30.00	2Gb x64	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR2G6SO5285-SB	16GB	30.00	2Gb x64	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR1G6SO5168-SP	8GB	30.00	1Gb x64	1Gx16	5600MT/s	1.1V	0°C to +70°C
SRI1G6SO5165-SB	8GB	30.00	1Gb x64	1Gx16	4800MT/s	1.1V	-40°C to +85°C
SR1G6SO5165-SB	8GB	30.00	1Gb x64	1Gx16	4800MT/s	1.1V	0°C to +70°C

262-PIN - DDR5 ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SR6G7SO5385SB	48GB	30.00	6Gb x72	3Gx8	4800MT/s	1.1V	0°C to +70°C
SRI4G7SO5288-SP	32GB	30.00	4Gb x72	2Gx8	5600MT/s	1.1V	-40°C to +85°C
SR4G7SO5288-SP	32GB	30.00	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRI4G7SO5285SB	32GB	30.00	4Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR4G7SO5285SB	32GB	30.00	4Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
ST4G7SO5285SB	32GB	30.00	4Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G7SO5285-SB	32GB	30.00	4Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI2G7SO5288-SP	16GB	30.00	2Gb x72	2Gx8	5600MT/s	1.1V	-40°C to +85°C
SR2G7SO5288-SP	16GB	30.00	2Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR2G7SO5285-SB	16GB	30.00	2Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI2G7SO5285-SB	16GB	30.00	2Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SRI2G7SO5285SB	16GB	30.00	2Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR2G7SO5285MA	16GB	30.00	2Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR2G7SO5285SB	16GB	30.00	2Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C

262-PIN - DDR5 ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SR6G7SO5385SB	48GB	30.00	6Gb x72	3Gx8	4800MT/s	1.1V	0°C to +70°C
SRI4G7SO5288-SP	32GB	30.00	4Gb x72	2Gx8	5600MT/s	1.1V	-40°C to +85°C
SR4G7SO5288-SP	32GB	30.00	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRI4G7SO5285SB	32GB	30.00	4Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR4G7SO5285SB	32GB	30.00	4Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C

DDR5 Ordering Information

288-PIN - DDR5 Non-ECC UDIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SRI4G6UD5285-SB	32GB	31.25	4Gb x64	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR4G6UD5285-SB	32GB	31.25	4Gb x64	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI2G6UD5285-SB	16GB	31.25	2Gb x64	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR2G6UD5285-SB	16GB	31.25	2Gb x64	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI1G6UD5165-SB	8GB	31.25	1Gb x64	1Gx16	4800MT/s	1.1V	-40°C to +85°C
288-PIN - DDR5 ECC UDIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
SRI6G7UD5385MB	48GB	31.25	6Gb x72	3Gx8	4800MT/s	1.1V	-40°C to +85°C
SRI6G7UD5385SP	48GB	31.25	6Gb x72	3Gx8	4800MT/s	1.1V	-40°C to +85°C
SR6G7UD5385MB	48GB	31.25	6Gb x72	3Gx8	4800MT/s	1.1V	0°C to +70°C
SRI4G7UD5288-SD	32GB	31.25	4Gb x72	2Gx8	5600MT/s	1.1V	-40°C to +85°C
SRI4G7UD5285-SB	32GB	31.25	4Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR4G7UD5288-SD	32GB	31.25	4Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G7UD5285SB	32GB	31.25	4Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI4G7UD5285SB	32GB	31.25	4Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SRI2G7UD5288-SD	16GB	31.25	2Gb x72	2Gx8	5600MT/s	1.1V	-40°C to +85°C
SR2G7UD5288-SD	16GB	31.25	2Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRI2G7UD5285-SB	16GB	31.25	2Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR2G7UD5285-SB	16GB	31.25	2Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI2G7UD5285SB	16GB	31.25	2Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR2G7UD5285SB	16GB	31.25	2Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
288-PIN - DDR5 ECC VLP UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SR6G7UD5385SBV	48GB	18.75	6Gb x72	3Gx8	4800MT/s	1.1V	0°C to +70°C
SR4G7UD5288MDV	32GB	18.75	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SR4G7UD5288SBV	32GB	18.75	4Gb x72	2Gx8	5600MT/s	1.1V	0°C to +70°C
SRI4G7UD5285SBV	32GB	18.75	4Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C
SR4G7UD5285SBV	32GB	18.75	4Gb x72	2Gx8	4800MT/s	1.1V	0°C to +70°C
SRI2G7UD5285SBV	16GB	18.75	2Gb x72	2Gx8	4800MT/s	1.1V	-40°C to +85°C

DDR4 Ordering Information

288-PIN - DDR4 RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SRI4097RD420825-SC	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
STI4097RD420825MF	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
STT4097RD420825MF	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
SRI4097RD420425-SE	32GB	31.25	4Gb x72	2Gx4	3200MT/s	1.2V	-40°C to +85°C
ST2047RD420825MF	16GB	31.25	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027RD410825SG	8GB	31.25	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
STI1027RD451893SF	8GB	31.25	1Gb x72	512Mx8	2666MT/s	1.2V	-40°C to +85°C
288-PIN - DDR4 Mini-RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST2047MR410893HE	16GB	30.00	2Gb x72	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST1027MR451893SF	8GB	30.00	1Gb x72	512Mx8	2666MT/s	1.2V	0°C to +70°C
288-PIN - DDR4 ULP Mini-RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST4097MR420825MFU	32GB	17.78	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C

DDR4 Ordering Information

288-PIN - DDR4 VLP Mini-RDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST2047MR420825SCV	16GB	18.75	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST5127MR451825SFV	4GB	18.75	512Mb x72	512Mx8	3200MT/s	1.2V	0°C to +70°C
288-PIN - DDR4 VLP RDIMM							
SMART Part Number	Density	Height (mm)	Module Config.	Device Type	Speed	Voltage	Temperature
ST8197RD440425MFV	64GB	19.00	8Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST4097RD420825MFV	32GB	18.75	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST4097RD420825SCV	32GB	18.75	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST4097RD440425SCV	32GB	18.75	4Gb x72	4Gx4	3200MT/s	1.2V	0°C to +70°C
ST2047RD420825SCV	16GB	18.75	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047RD420425HEV	16GB	18.75	2Gb x72	2Gx4	3200MT/s	1.2V	0°C to +70°C
ST2047RD410825HEV	16GB	18.75	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027RD410825MRV	8GB	18.75	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027RD410825SGV	8GB	18.75	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027RD410893SGV	8GB	18.75	1Gb x72	1Gx8	2666MT/s	1.2V	0°C to +70°C
260-PIN - DDR4 Non-ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST4096SO420825MF	32GB	30.00	4Gb x64	2Gx8	3200MT/s	1.2V	0°C to +70°C
SRI4096SO420825-SC	32GB	30.00	4Gb x64	2Gx8	3200MT/s	1.2V	-40°C to +85°C
SR4096SO420825-SC	32GB	30.00	4Gb x64	2Gx8	3200MT/s	1.2V	0°C to +70°C
STI4096SO420825-HC	32GB	30.00	4Gb x64	2Gx8	3200MT/s	1.2V	-40°C to +85°C
SR1026SO411625-SC	16GB	30.00	1Gb x64	1Gx16	3200MT/s	1.2V	0°C to +70°C
SR2046SO420825-SC	16GB	30.00	2Gb x64	2Gx8	3200MT/s	1.2V	0°C to +70°C
STI2046SO410825MR	16GB	30.00	2Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST2046SO410825-HE	16GB	30.00	2Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
STI2046SO410825-SE	16GB	30.00	2Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST2046SO410825-SE	16GB	30.00	2Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
STI2046SO410893-SE	16GB	30.00	2Gb x64	1Gx8	2666MT/s	1.2V	-40°C to +85°C
ST2046SO410893-SE	16GB	30.00	2Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
STI1026SO410825SG	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
STI1026SO410825MR	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST1026SO410825MR	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1026SO410825SG	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1026SO410825-HE	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
STI1026SO410825-SE	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST1026SO410825-SE	8GB	30.00	1Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1026SO410893-SE	8GB	30.00	1Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
STI1026SO410893-SE	8GB	30.00	1Gb x64	1Gx8	2666MT/s	1.2V	-40°C to +85°C
ST1026SO451893SF	8GB	30.00	1Gb x64	512Mx8	2666MT/s	1.2V	0°C to +70°C
SRI5126SO451625-SC	4GB	30.00	512Mb x64	512Mx16	3200MT/s	1.2V	-40°C to +85°C
ST5126SO451625-HE	4GB	30.00	512Mb x64	512Mx16	3200MT/s	1.2V	0°C to +70°C
ST5126SO451625-SC	4GB	30.00	512Mb x64	512Mx16	3200MT/s	1.2V	0°C to +70°C
ST5126SO451625MR	4GB	30.00	512Mb x64	512Mx16	3200MT/s	1.2V	0°C to +70°C
STB5126SO451893SF	4GB	30.00	512Mb x64	512Mx8	2666MT/s	1.2V	-25°C to +85°C
STI5126SO451893SF	4GB	30.00	512Mb x64	512Mx8	2666MT/s	1.2V	-40°C to +85°C
ST5126SO451893SF	4GB	30.00	512Mb x64	512Mx8	2666MT/s	1.2V	0°C to +70°C
ST2566SO421693SF	2GB	30.00	256Mb x64	256Mx16	2666MT/s	1.2V	0°C to +70°C
SRI5126SO451625-SG	512MB	30.00	512Mb x64	512Mx16	3200MT/s	1.2V	-40°C to +85°C
SR5126SO451625-SG	512MB	30.00	512Mb x64	512Mx16	3200MT/s	1.2V	0°C to +70°C

DDR4 Ordering Information

260-PIN - DDR4 ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
STB4097SO420825SC	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
SRZ4097SO420825-SC	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
STI4097SO420825SC	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
STI4097SO420825MF	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
ST4097SO420825SC	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST4097SO420825MF	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
SRZ4097SO420825-SB	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
SRI4097SO420825-SC	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
SR4097SO420825-SC	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
SR4097SO420825-SB	32GB	30.00	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047SO420825SC	16GB	30.00	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047SO410825-HE	16GB	30.00	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047SO410825HE	16GB	30.00	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
STI2047SO410814MR	16GB	30.00	2Gb x72	1Gx8	2933MT/s	1.2V	-40°C to +85°C
ST1027SO410825-HE	8GB	30.00	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
STI1027SO410825SG	8GB	30.00	1Gb x72	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST1027SO410825SG	8GB	30.00	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027SO410825HE	8GB	30.00	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027SO451814SF	8GB	30.00	1Gb x72	512Mx8	2933MT/s	1.2V	0°C to +70°C
STI1027SO451893SF	8GB	30.00	1Gb x72	512Mx8	2666MT/s	1.2V	-40°C to +85°C
ST1027SO451893SF	8GB	30.00	1Gb x72	512Mx8	2666MT/s	1.2V	0°C to +70°C
STI5127SO451893SF	4GB	30.00	512Mb x72	512Mx8	2666MT/s	1.2V	-40°C to +85°C
ST5127SO451893SF	4GB	30.00	512Mb x72	512Mx8	2666MT/s	1.2V	0°C to +70°C
288-PIN - DDR4 Non-ECC UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
STT4096UD420825MF	32GB	31.25	4Gb x64	2Gx8	3200MT/s	1.2V	-40°C to +85°C
ST4096UD420825MF	32GB	31.25	4Gb x64	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST4096UD420825-HC	32GB	31.25	4Gb x64	2Gx8	3200MT/s	1.2V	0°C to +70°C
STI2046UD410825-SE	16GB	31.25	2Gb x64	1Gx8	3200MT/s	1.2V	-40°C to +85°C
ST2046UD410825-SE	16GB	31.25	2Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST2046UD410825-HE	16GB	31.25	2Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1026UD411625-HC	8GB	31.25	1Gb x64	1Gx16	3200MT/s	1.2V	0°C to +70°C
ST1027UD410825SG	8GB	31.25	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
SR1026UD410825-SE	8GB	31.25	1Gb x64	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1026UD410814-SE	8GB	31.25	1Gb x64	1Gx8	2933MT/s	1.2V	0°C to +70°C
ST5126UD451625-SC	4GB	31.25	512Mb x64	512Mx16	3200MT/s	1.2V	0°C to +70°C
ST5126UD451625-HE	4GB	31.25	512Mb x64	512Mx16	3200MT/s	1.2V	0°C to +70°C
STI5126UD451893SF	4GB	31.25	512Mb x64	512Mx8	2666MT/s	1.2V	-40°C to +85°C
ST5126UD451893SF	4GB	31.25	512Mb x64	512Mx8	2666MT/s	1.2V	0°C to +70°C
ST5126UD451693SC	4GB	31.25	512Mb x64	512Mx16	2666MT/s	1.2V	0°C to +70°C
SR5126UD451625-SG	512MB	31.25	512Mb x64	512Mx16	3200MT/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
STI4097UD420825SC	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
SR4097UD420825-SC	32GB	31.25	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
SR2047UD420825-SC	16GB	31.25	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047UD420825HC	16GB	31.25	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047UD410825-HE	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047UD410825SG	16GB	31.25	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C

DDR4 Ordering Information

288-PIN - DDR4 ECC UDIMM Continued							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST2047UD410825SGU	16GB	17.78	2Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027UD410825-HE	8GB	31.25	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027UD410825SG	8GB	31.25	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027UD451893SF	8GB	31.25	1Gb x72	512Mx8	2666MT/s	1.2V	0°C to +70°C
ST5127UD451893SF	4GB	31.25	512Mb x72	512Mx8	2666MT/s	1.2V	0°C to +70°C
288-PIN - DDR4 Non-ECC VLP Mini-UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST5126MU451893SFV	4GB	18.75	512Mb x64	512Mx8	2666MT/s	1.2V	0°C to +70°C
288-PIN - DDR4 ECC VLP Mini-UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST4097MU420825MFV	32GB	18.75	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST2047MU420825SCV	16GB	18.75	2Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027MR410825SGV	8GB	18.75	1Gb x72	1Gx8	3200MT/s	1.2V	0°C to +70°C
ST1027MU451893SFV	8GB	18.75	1Gb x72	512Mx8	2666MT/s	1.2V	0°C to +70°C
ST1027MU451893NEV	8GB	18.75	1Gb x72	512Mx8	2666MT/s	1.2V	0°C to +70°C
ST5127MU451893SFV	4GB	18.75	512Mb x72	512Mx8	2666MT/s	1.2V	0°C to +70°C
288-PIN - DDR4 ECC ULP UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
STI4097UD420825SCU	32GB	17.78	4Gb x72	2Gx8	3200MT/s	1.2V	-40°C to +85°C
ST4097UD420825SCU	32GB	17.78	4Gb x72	2Gx8	3200MT/s	1.2V	0°C to +70°C
216 PIN - DDR4 MIP							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
ST2046MP42W625MF	16GB	22.25	2Gb x64	2Gx16	3200MT/s	1.2V	0°C to +70°C
ST2046MP42W614MB	16GB	22.25	2Gb x64	1Gx16	2933MT/s	1.2V	0°C to +70°C
ST1026MP41W693HC	8GB	22.25	1Gb x64	1Gx8	2666MT/s	1.2V	0°C to +70°C
ST1026MP41W672SB	8GB	22.25	1Gb x64	1Gx8	2400MT/s	1.2V	0°C to +70°C
STT5126MP451625MR	4GB	22.25	512Mb x64	512Mx16	3200MT/s	1.2V	-40°C to +85°C
STT2566MP421625MG	2GB	22.25	256Mb x64	256Mx16	3200MT/s	1.2V	-40°C to +85°C
STT2566MP421625NE	2GB	22.25	256Mb x64	256Mx16	3200MT/s	1.2V	-40°C to +85°C

DDR3 Ordering Information

204 PIN - DDR3 Non-ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SPT2046SV310816GB	16GB	30.00	2Gb x64	1Gx8	1600MT/s	1.35V	-40°C to +85°C
SP2046SV310816GB	16GB	30.00	2Gb x64	1Gx8	1600MT/s	1.35V	0°C to +70°C
SPI1026SV351838SE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SPI1026SV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP1026SV351838SE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026SV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026SV351838MP	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026SV310816GB	8GB	30.00	1Gb x64	1Gx8	1600MT/s	1.35V	0°C to +70°C
SPI1026SV351816SE1	8GB	30.00	1Gb x64	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP1026SV351816SE1	8GB	30.00	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP1026SV351816MP	8GB	30.00	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SPI5126SV351838SE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SPI5126SV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP5126SV351838SE1	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5126SV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5126SV325838NJ	4GB	30.00	512Mb x64	256Mx8	1866MT/s	1.35V	0°C to +70°C

DDR3 Ordering Information

204 PIN - DDR3 Non-ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SPI5126SV325838NJ	4GB	30.00	512Mb x64	256Mx8	1866MT/s	1.35V	-40°C to +85°C
SP5126SV321616SE	4GB	30.00	512Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SP5126SV321616NE	4GB	30.00	512Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SPI5126SV351816SE1	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP5126SV351816SE	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5126SV351816NE	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5126SV351816MP	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SPI2566SV325838NJ	2GB	30.00	256Mb x64	256Mx8	1866MT/s	1.35V	-40°C to +85°C
SP2566SV325838NJ	2GB	30.00	256Mb x64	256Mx8	1866MT/s	1.35V	0°C to +70°C
SP2566SV321638SE	2GB	30.00	256Mb x64	256Mx16	1866MT/s	1.35V	0°C to +70°C
SP2566SV321638NE	2GB	30.00	256Mb x64	256Mx16	1866MT/s	1.35V	0°C to +70°C
SP2566SV321616SE	2GB	30.00	256Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SP2566SV321616MP	2GB	30.00	256Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SP2566SO321616SE	2GB	30.00	256Mb x64	256Mx16	1600MT/s	1.5V	0°C to +70°C
SP1286SV312638NJ	1GB	31.00	128Mb x64	128Mx16	1866MT/s	1.35V	0°C to +70°C
204 PIN - DDR3 Non-ECC SODIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SPT2046SV310816GB	16GB	30.00	2Gb x64	1Gx8	1600MT/s	1.35V	-40°C to +85°C
SP2046SV310816GB	16GB	30.00	2Gb x64	1Gx8	1600MT/s	1.35V	0°C to +70°C
SPI1026SV351838SE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SPI1026SV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP1026SV351838SE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026SV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026SV351838MP	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026SV310816GB	8GB	30.00	1Gb x64	1Gx8	1600MT/s	1.35V	0°C to +70°C
SPI1026SV351816SE1	8GB	30.00	1Gb x64	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP1026SV351816SE1	8GB	30.00	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP1026SV351816MP	8GB	30.00	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SPI5126SV351838SE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SPI5126SV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP5126SV351838SE1	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5126SV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5126SV325838NJ	4GB	30.00	512Mb x64	256Mx8	1866MT/s	1.35V	0°C to +70°C
SPI5126SV325838NJ	4GB	30.00	512Mb x64	256Mx8	1866MT/s	1.35V	-40°C to +85°C
SP5126SV321616SE	4GB	30.00	512Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SP5126SV321616NE	4GB	30.00	512Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SPI5126SV351816SE1	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP5126SV351816SE	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5126SV351816NE	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5126SV351816MP	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SPI2566SV325838NJ	2GB	30.00	256Mb x64	256Mx8	1866MT/s	1.35V	-40°C to +85°C
SP2566SV325838NJ	2GB	30.00	256Mb x64	256Mx8	1866MT/s	1.35V	0°C to +70°C
SP2566SV321638SE	2GB	30.00	256Mb x64	256Mx16	1866MT/s	1.35V	0°C to +70°C
SP2566SV321638NE	2GB	30.00	256Mb x64	256Mx16	1866MT/s	1.35V	0°C to +70°C
SP2566SV321616SE	2GB	30.00	256Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SP2566SV321616MP	2GB	30.00	256Mb x64	256Mx16	1600MT/s	1.35V	0°C to +70°C
SP2566SO321616SE	2GB	30.00	256Mb x64	256Mx16	1600MT/s	1.5V	0°C to +70°C
SP1286SV312638NJ	1GB	31.00	128Mb x64	128Mx16	1866MT/s	1.35V	0°C to +70°C

DDR3 Ordering Information

204 PIN - DDR3 ECC SOUDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SPT2047SV310816GB	16GB	30.00	2Gb x72	1Gx8	1600MT/s	1.35V	-40°C to +85°C
SP2047SV310816GB	16GB	30.00	2Gb x72	1Gx8	1600MT/s	1.35V	0°C to +70°C
SPI1027SV351816SE	8GB	30.00	1Gb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SPI1027SV351816NE	8GB	30.00	1Gb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP1027SV351816SE	8GB	30.00	1Gb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP1027SV351816NE	8GB	30.00	1Gb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5127SV351838NE	4GB	25.40	512Mb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SPI5127SV351816SE	4GB	25.40	512Mb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SPI5127SV351816NE	4GB	25.40	512Mb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP5127SV351816SE	4GB	25.40	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SPI2567SO325838NJ	2GB	25.40	256Mb x72	256Mx8	1866MT/s	1.5V	-40°C to +85°C

204 PIN - DDR3 ECC VLP SOUDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SP2567SO325838NJV	2GB	25.40	256Mb x72	256Mx8	1866MT/s	1.5V	0°C to +70°C

240 PIN - DDR3 Non-ECC UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SPI1026UV351838SE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SPI1026UV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP1026UV351838SE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026UV351838NE	8GB	30.00	1Gb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1026UV351816SE	8GB	30.00	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SPI5126UV351838SE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SPI5126UV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	-40°C to +85°C
SP5126UV351838SE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5126UV351838NE	4GB	30.00	512Mb x64	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5126UV351816SE	4GB	30.00	512Mb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C

240 PIN - DDR3 ECC UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SP2047UV310816GB	16GB	30.00	2Gb x72	1Gx8	1600MT/s	1.35V	0°C to +70°C
SP1027UV351838NE	8GB	30.00	1Gb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP1027UD351838SE	8GB	30.00	1Gb x72	512Mx8	1866MT/s	1.5V	0°C to +70°C
SP1027UD351838GB	8GB	30.00	1Gb x72	512Mx8	1866MT/s	1.5V	0°C to +70°C
SP5127UV351838SE	4GB	30.00	512Mb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5127UV351838NE	4GB	30.00	512Mb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5127UV351838GB	4GB	30.00	512Mb x72	512Mx8	1866MT/s	1.35V	0°C to +70°C
SP5127UV351816SE	4GB	30.00	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP2567UV325838NJ	2GB	30.00	256Mb x72	256Mx8	1866MT/s	1.35V	0°C to +70°C

244 PIN - DDR3 ECC Mini-UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SP5127ML351816NE	8GB	30.00	1Gb x72	1Gx8	1600MT/s	1.35V	0°C to +70°C
SP5127ML351816SE	4GB	30.00	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C

244 PIN - DDR3 ECC ULP Mini-UDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SPI1027ML351816SEU	8GB	17.78	1Gb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP1027ML351816SEU	8GB	17.78	1Gb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP1027ML351816MPU	8GB	17.78	1Gb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP1027ML351893NEU	8GB	17.78	1Gb x72	512Mx8	1333MT/s	1.35V	0°C to +70°C

DDR3 Ordering Information

244 PIN - DDR3 ECC VLP Mini-UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SP15127ML351816SEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP15127ML351816NEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	-40°C to +85°C
SP5127ML351816SEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5127ML351816NEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP2567MU325838NVJ	2GB	18.75	256Mb x72	256Mx8	1866MT/s	1.5V	0°C to +70°C
240 PIN - DDR3 Non-ECC VLP UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SP1026UV351816SEV	8GB	18.29	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP1026UV351816NEV	8GB	18.29	1Gb x64	512Mx8	1600MT/s	1.35V	0°C to +70°C
240 PIN - DDR3 ECC VLP UDIMM							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SP1027UV351816SEV	8GB	18.29	1Gb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5127UV351816SEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
SP5127UV351816NEV	4GB	18.75	512Mb x72	512Mx8	1600MT/s	1.35V	0°C to +70°C
216 PIN - DDR3 MIP							
SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SP2566MP321638SE	2GB	22.25	256Mb x64	256Mx16	1866MT/s	1.35V	0°C to +70°C
SP2566MP321638NE	2GB	22.25	256Mb x64	256Mx16	1866MT/s	1.35V	0°C to +70°C



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