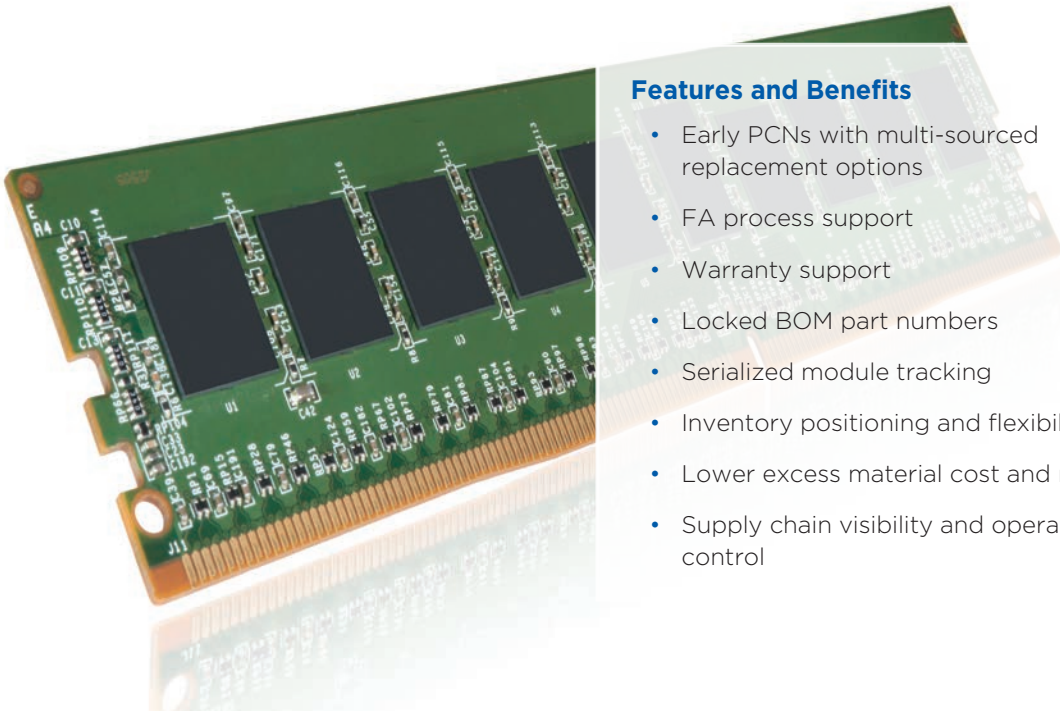


DDR4 and DDR3 Value Memory

Features and Benefits

- Early PCNs with multi-sourced replacement options
- FA process support
- Warranty support
- Locked BOM part numbers
- Serialized module tracking
- 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 and DDR3 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[®]. These module types, densities, and speed grades are the most commonly used for high performance computing, data center, networking, storage appliance, industrial and embedded computing applications. SMART backs its OEM customers with direct pre- and post-sale engineering support. SMART's goal is to supply the most reliable and highest quality memory to OEMs at competitive prices with the shortest possible lead time, and back it with the industry's best service and support.

Applications

- Industry segments and/or OEMs 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

DDR4 Memory Modules

288-PIN - DDR4 Registered DIMM (Standard Height & VLP)

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH1637RD420492-SB	128GB	31.25	16G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH8197RD420492-SB	64GB	31.25	8G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH8197RD420471-SB	64GB	31.25	8G x72	2G x4	2133 MT/s	1.2V	0°C to +70°C
SH4097RD420472-SB	32GB	31.25	4G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH4097RD420472-HM	32GB	31.25	4G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH4097RD420472-MB	32GB	31.25	4G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH4097RD420472-HA	32GB	31.25	4G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH4097RD420493-SB	32GB	31.25	4G x72	2G x4	2677 MT/s	1.2V	0°C to +70°C
SH2047RD410872-SB	16GB	31.25	2G x72	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH2047RD420472-MB	16GB	31.25	2G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH2047RD410472-SE	16GB	31.25	2G x72	1G x4	2400 MT/s	1.2V	0°C to +70°C
SH2047RD420472-HM	16GB	31.25	2G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH2047RD410872-HA	16GB	31.25	2G x72	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH2047RD420472-HA	16GB	31.25	2G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH2047RD420493-SB	16GB	31.25	2G x72	2G x4	2677 MT/s	1.2V	0°C to +70°C
SH2047RD410872-SBV	16GB	18.8	2G x72	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1027RD410872-SB	8GB	31.25	1G x72	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1027RD410472-SE	8GB	31.25	1G x72	1G x4	2400 MT/s	1.2V	0°C to +70°C
SH1027RD410472-HA	8GB	31.25	1G x72	1G x4	2400 MT/s	1.2V	0°C to +70°C
SH1027RD451872-SE	8GB	31.25	1G x72	512M x8	2400 MT/s	1.2V	0°C to +70°C
SH1027RD410872-MB	8GB	31.25	1G x72	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH5127RD451872-MB	4GB	31.25	512M x72	512M x8	2400 MT/s	1.2V	0°C to +70°C
SH5127RD451872-HA	4GB	31.25	512M x72	512M x8	2400 MT/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
SH2047UD410872-SB	16GB	31.25	2G x72	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1027UD410872-SB	8GB	31.25	1G x72	512M x8	2400 MT/s	1.2V	0°C to +70°C
SH1027UD451872-SE	8GB	31.25	1G x72	512M x8	2400 MT/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
SH2046UD410872-SB	16GB	31.25	2G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH2046UD410872-HA	16GB	31.25	2G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1026UD410872-SB	8GB	31.25	1G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1026UD410872-SC	8GB	31.25	1G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1026UD410872-HA	8GB	31.25	1G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH5126UD451672-HA	4GB	31.25	512M x64	512M x16	2400 MT/s	1.2V	0°C to +70°C
SH5126UD451872-SE	4GB	31.25	512M x64	512M x8	2400 MT/s	1.2V	0°C to +70°C

260-PIN - DDR4 Unbuffered ECC SO-DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH2047SO410872-SB	16GB	31.25	2G x72	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1027SO451872-HA	8GB	31.25	1G x72	512M x8	2400 MT/s	1.2V	0°C to +70°C
SH1027SO451872-SE	8GB	31.25	1G x72	512M x8	2400 MT/s	1.2V	0°C to +70°C
SH1027SO451872-SD	8GB	31.25	1G x72	512M x8	2400 MT/s	1.2V	0°C to +70°C

260-PIN - DDR4 Unbuffered Non-ECC SO-DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH2046SO410872-HA	16GB	31.25	2G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH2046SO410872-HM	16GB	31.25	2G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SHI2046SO410872-SB	16GB	31.25	2G x64	1G x8	2400 MT/s	1.2V	-40°C to +85°C
SH2046SO410872-SB	16GB	31.25	2G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1026SO410872-HA	8GB	31.25	1G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1026SO451872-HA	8GB	31.25	1G x64	512M x8	2400 MT/s	1.2V	0°C to +70°C
SH1026SO410872-SC	8GB	31.25	1G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SH1026SO410872-HM	8GB	31.25	1G x64	1G x8	2400 MT/s	1.2V	0°C to +70°C
SHI1026SO451872-SE	8GB	31.25	1G x64	512M x8	2400 MT/s	1.2V	-40°C to +85°C
SH5126SO451872-SE	4GB	31.25	512M x64	512M x8	2400 MT/s	1.2V	0°C to +70°C

DDR4 Memory Modules continued

260-PIN - DDR4 Unbuffered Non-ECC SO-DIMM continued

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH5126SO451872-HA	4GB	31.25	512M x64	512M x8	2400 MT/s	1.2V	0°C to +70°C
SH5126SO451672-HA	4GB	31.25	512M x64	512M x16	2400 MT/s	1.2V	0°C to +70°C
SH2566SO421672-SE	2GB	31.25	256M x64	256M x16	2400 MT/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
SH1637LR420402-SB	128GB	31.25	16G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH8197LR420472-SB	64GB	31.25	8G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH8197LR420472-HM	64GB	31.25	8G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH4097LR420472-SB	32GB	31.25	4G x72	2G x4	2400 MT/s	1.2V	0°C to +70°C
SH4097LR410472-HA	32GB	31.25	4G x72	1G x4	2400 MT/s	1.2V	0°C to +70°C

DDR3 Memory Modules

240-PIN - DDR3 Registered DIMM (Standard Height & VLP)

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH4097RV310416-HB	32GB	30	4G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH4097RV310416-HD	32GB	30	4G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH2047RV310416-SE	16GB	30	2G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH2047RD310438-SD	16GB	30	2G x72	1G x4	1866 MT/s	1.5V	0°C to +70°C
SH2047RV310416-HD	16GB	30	2G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SHB2047RV310416-SD	16GB	30	2G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH2047RV310416-SDV	16GB	30	2G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH2047RV310416-HDV	16GB	30	2G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH1027RV310416-MN	8GB	30	1G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH1027RD310438-SE	8GB	30	1G x72	1G x4	1866 MT/s	1.5V	0°C to +70°C
SH1027RD351838-SE	8GB	30	1G x72	512M x8	1866 MT/s	1.5V	0°C to +70°C
SH1027RV310416-HD	8GB	30	1G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH1027RV310416-SE	8GB	30	1G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH1027RV351816-HD	8GB	30	1G x72	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH1027RV351816-SE	8GB	30	1G x72	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH1027RV310416-HDV	8GB	30	1G x72	1G x4	1600 MT/s	1.35V	0°C to +70°C
SH5127RV351816-HD	8GB	30	512M x72	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH5127RD351838-HD	4GB	30	512M x72	512M x8	1866 MT/s	1.5V	0°C to +70°C
SH5127RV351838-HD	4GB	30	512M x72	512M x8	1866 MT/s	1.35V	0°C to +70°C

240-PIN - DDR3 Unbuffered Non-ECC DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH1026UD351816-SE	8GB	30	1G x64	512M x8	1600 MT/s	1.5V	0°C to +70°C
SH1026UD351838-SE	8GB	30	1G x64	512M x8	1866 MT/s	1.5V	0°C to +70°C
SH1026UV351816-HD	8GB	30	1G x64	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH5126UD351838-SE	4GB	30	512M x64	512M x8	1866 MT/s	1.5V	0°C to +70°C
SG5126UD351816-SD	4GB	30	512M x64	512M x8	1600 MT/s	1.5V	0°C to +70°C
SH5126UV351816-HD	4GB	30	512M x64	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH2566UV321616-HC	2GB	30	256M x64	256M x16	1600 MT/s	1.35V	0°C to +70°C

204-PIN - DDR3 Unbuffered Non-ECC SO-DIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH1026SV351816-HB	8GB	30	1G x64	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH1026SV351816-HD	8GB	30	1G x64	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH5126SV351816-HB	4GB	30	512M x64	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH5126SV351816-SE	4GB	30	512M x64	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH5126SV351816-HD	4GB	30	512M x64	512M x8	1600 MT/s	1.35V	0°C to +70°C
SH2566SV321616-HE	2GB	30	256M x64	256M x16	1600 MT/s	1.35V	0°C to +70°C

240-PIN - DDR3 LRDIMM

SMART Part Number	Density	Height (mm)	Module Config	Device Config	Speed	Voltage	Temp
SH8197LR310416-SD	64GB	30	8G x72	1G x4	1600 MT/s	1.5V	0°C to +70°C
SH4097LR310438-HD	32GB	30	4G x72	1G x4	1866 MT/s	1.5V	0°C to +70°C

Contact information

Corporate Headquarters/North America: T: (+1) 800-956-7627 • T: (+1) 510-623-1231 • F: (+1) 510-623-1434 • E: info@smartm.com

Customer Service: T: (+1) 978-303-8500 • E: customers@smartm.com

Latin America: T: (+55) 11 4417-7200 • E: sales.br@smartm.com

EMEA: T: (+44) 7825-084427 • E: sales.euro@smartm.com

Asia/Pacific: T: (+65) 6678-7670 • E: sales.asia@smartm.com

For more information, please visit: www.smartm.com

