

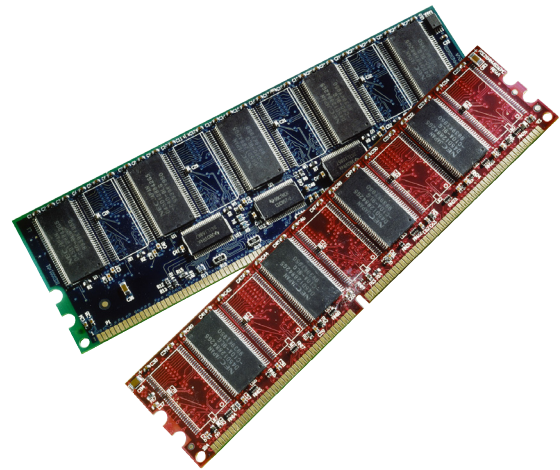
DDR DIMM & SO-DIMM Modules

SMART's 184-pin DDR DIMM, 100-pin DDR DIMM and 200-pin DDR SO-DIMM modules are able to provide OEMs with a high performance solution for PCs, laptops, workstations, networking and many other applications. SMART's 100-pin small form-factor DDR DIMM modules are substantially smaller than conventional 184-pin DIMMs and are designed for lower-end computing applications that utilize 32bit micro controllers.

Double Data Rate SDRAM technology utilizes both edges of the memory clock in sending and receiving data. Memory bandwidth is effectively doubled when using SMART's DDR DIMMs over current single data rate SDRAM technology. SMART's DDR DIMMs are 100% tested on high-end functional testers and comply with standard JEDEC specifications.

Features

- High performance solution for PCs, laptops, workstations, networking and many other applications
- Designed for lower-end computing applications
- Double memory bandwidth
- 100% tested
- Standard JEDEC compliance



Quick Reference Guide: DDR DIMM/SO-DIMM Modules

184 PIN - DDR SDRAM Registered DIMM					
SMART Part Number	DENSITY	HEIGHT	MODULE CONFIG.	DEVICE TYPE	DEVICE PKG.
SG5721G45D8E8uu	8GB	2.05"	1024Mx72	256Mx4	TSOP
SG5721245D8E8uu02	4GB	1.2"	512Mx72	256Mx4	TSOP
SG5721245D8E6uu	4GB	2.05"	512Mx72	256Mx4	TSOP
SG5725645D8E6uu01	2GB	1.2"	256Mx72	256Mx4	TSOP
SG5725645D8E0uu	2GB	2.05"	256Mx72	128Mx4	TSOP
SG5725645D8E8uu01	2GB	1.2"	256Mx72	128Mx4	TSOP
SG5725685D8Ebuu01	2GB	1.2"	256Mx72	128Mx8	TSOP
SG572564FD8E8uu02	2GB	0.72"	256Mx72	128Mx4	FBGA
SG572568FD8E8uu01	2GB	0.72"	256Mx72	64mx8	FBGA
SG5722845D8E6uu	1GB	2.05"	128Mx72	64Mx4	TSOP
SG572284FD8E6uu	1GB	1.2"	128Mx72	64Mx4	FBGA
SG5722845D8E0uu01	1GB	1.2"	128Mx72	128Mx4	TSOP
SG5722885D8E0uu01	1GB	1.2"	128Mx72	64Mx8	TSOP
SG572288FD8E0uu	1GB	1.125"	128Mx72	64Mx8	FBGA
SG572288FD8E0uu01	1GB	0.72"	128Mx72	64Mx8	FBGA
184 PIN - DDR SDRAM Unbuffered Non-ECC DIMM					
SMART Part Number	DENSITY	HEIGHT	MODULE CONFIG.	DEVICE TYPE	DEVICE PKG.
G5645685DHN30	2GB	1.25"	256Mx64	128Mx4	TSOP
SG5642885D8NOUU	1GB	1.25"	128Mx6	64Mx8	TSOP
SG5646485D8NOUU	512MB	1.25"	64Mx64	64Mx8	TSOP
SG5646485D8N6UU	512MB	1.25"	64Mx64	32Mx8	TSOP
SG5643285D8N6UU	256MB	1.25"	32Mx64	32Mx8	TSOP
184 PIN - DDR SDRAM Unbuffered ECC DIMM					
SMART Part Number	DENSITY	HEIGHT	MODULE CONFIG.	DEVICE TYPE	DEVICE PKG.
SG5725685DHDB30	2GB	1.25"	256Mx64	128Mx4	TSOP
SG5722885D8D0UU	1GB	1.25"	128Mx72	64Mx8	TSOP
SG5722885D8D8UU01	1GB	1.0"	128Mx72	64Mx8	TSOP
SG5722885D8DBUU	1GB	1.25"	128Mx72	64Mx4	TSOP
SG5726485D8D0UU	512MB	1.25"	64Mx72	64Mx8	TSOP
SG5726485D8D0UU01	512MB	1.0"	64Mx72	64Mx8	TSOP
SG5726485D8D6UU	512MB	1.25"	64Mx72	32Mx8	TSOP
SG5723285D4D6UU	256MB	1.25"	32Mx72	32Mx8	TSOP
SG5723285D8D6UU	256MB	1.25"	32Mx72	32Mx8	TSOP
200 PIN - DDR SDRAM Unbuffered Non-ECC SO-DIMM					
SMART Part Number	DENSITY	HEIGHT	MODULE CONFIG.	DEVICE TYPE	DEVICE PKG.
SG564288FD8NZuu	1GB	1.25"	128Mx64	64Mx8	FBGA
SG5646485D8NZUU	512MB	1.25"	64Mx64	64Mx8	TSOP
SG5646485D8NZUU02	512MB	1.25"	64Mx64	64Mx8	TSOP
SG564648FD8NWUU	512MB	1.25"	64Mx64	32Mx8	FBGA
SG5646435D8NZUU	512MB	1.25"	64Mx64	32Mx16	TSOP
SG5646485D8NRUU02	512MB	1.25"	64Mx64	32Mx8 w/PLL	TSOP
SG5643235D8NWUU	256MB	1.25"	32Mx64	16Mx16	TSOP
SG5643285D8NWUU	256MB	1.25"	32Mx64	32Mx8	TSOP
SG5641635D8NWUU	128MB	1.25"	16Mx64	16Mx16	TSOP
SG5641685D4NZUU	128MB	1.25"	16Mx64	16Mx8	TSOP

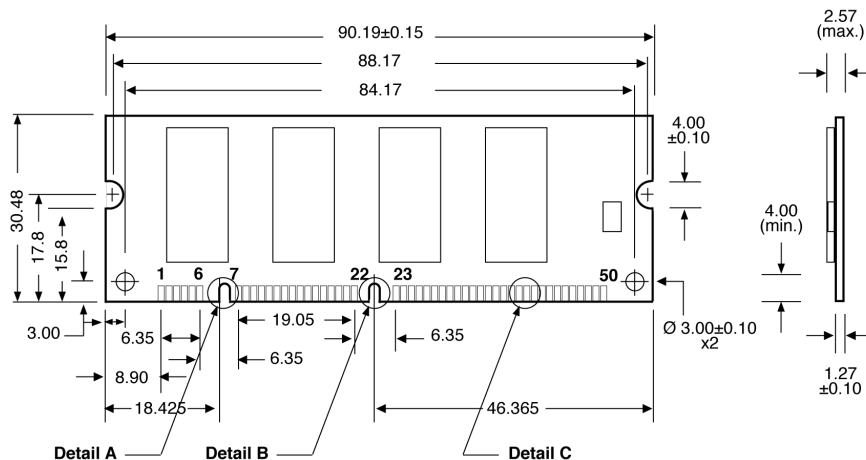
Quick Reference Guide: DDR DIMM/SO-DIMM Modules

200 PIN - DDR SDRAM Unbuffered ECC SO-DIMM					
SMART Part Number	DENSITY	HEIGHT	MODULE CONFIG.	DEVICE TYPE	DEVICE PKG.
SG572288FD8DZuu	1GB	1.25"	128Mx72	64Mx8	FBGA
SG5722885D8DRuu02	1GB	1.25"	128Mx72	64Mx8	TSOP
SG5726485D8DRuu02	512MB	1.25"	64Mx72	32Mx8	TSOP
SG5726485D8DZuu02	512MB	1.25"	64Mx72	64Mx8	TSOP
SG572648FD8DWuu	512MB	1.25"	64Mx72	32Mx8	FBGA
SG5723235D8DZuu	256MB	1.25"	32Mx72	16Mx16	TSOP
SG5723285D8DWuu02	256MB	1.25"	32Mx72	32Mx8	TSOP
SG5721635D8DWuu	128MB	1.25"	16Mx72	16Mx16	TSOP
200 PIN - DDR SDRAM Registered SO-DIMM					
SMART Part Number	DENSITY	HEIGHT	MODULE CONFIG.	DEVICE TYPE	DEVICE PKG.
SG572288FD8EZCuu	1GB	1.25"	128Mx72	64Mx8	FBGA
SG572648FD8EZCuu	512MB	1.25"	64Mx72	64Mx8	FBGA
200 PIN - DDR SDRAM Unbuffered ECC Mini-DIMM					
SMART Part Number	DENSITY	HEIGHT	MODULE CONFIG.	DEVICE TYPE	DEVICE PKG.
SG572288FD8SZuu	1GB	1.18"	128Mx72	64Mx8	FBGA
SG572648FD8SZuu	512MB	1.18"	64Mx72	64Mx8	FBGA
100 PIN - DDR SDRAM Unbuffered DIMM					
SMART Part Number	DENSITY	HEIGHT	MODULE CONFIG.	DEVICE TYPE	DEVICE PKG.
SG5322885D8F0uu	512MB	1.2"	128Mx32	64Mx8	TSOP
SG5326485D8F0uu	256MB	1.2"	64Mx32	64Mx8	TSOP
SG5326485D8F6uu	256MB	1.2"	64Mx32	32Mx8	TSOP
SG5323285D8F6uu	128MB	1.2"	32Mx32	32Mx8	TSOP

Suffix options for 'uu'; 'FO'=PC3200 3-3-3; 'CL'=PC2700 2.5-3-3; 'CG'=PC2100 2-3-3

Outline Dimension Examples

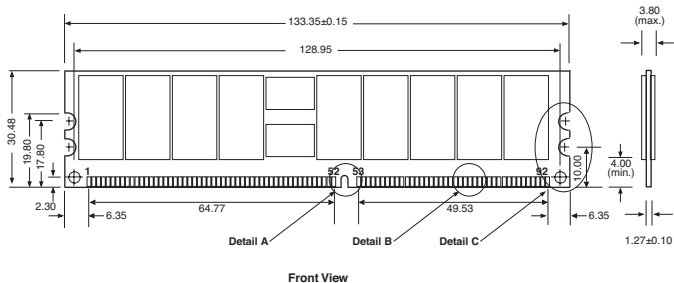
100-PIN DDR SDRAM



Note : Pin 51 is behind pin 1 on the back side.

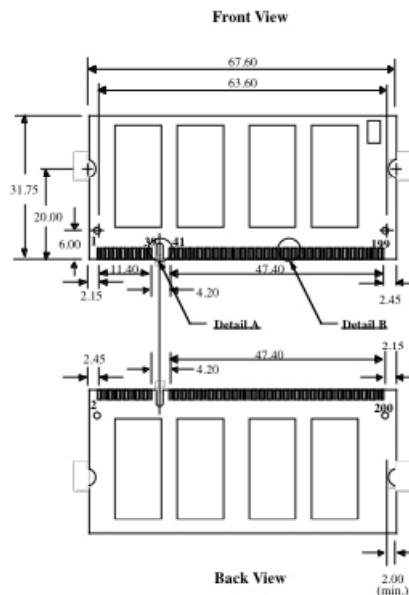
Front View

184-PIN DDR DIMM



Front View

200-PIN DDR SO-DIMM



Front View

Back View



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