

M366S1723MTS

PC100 Unbuffered DIMM

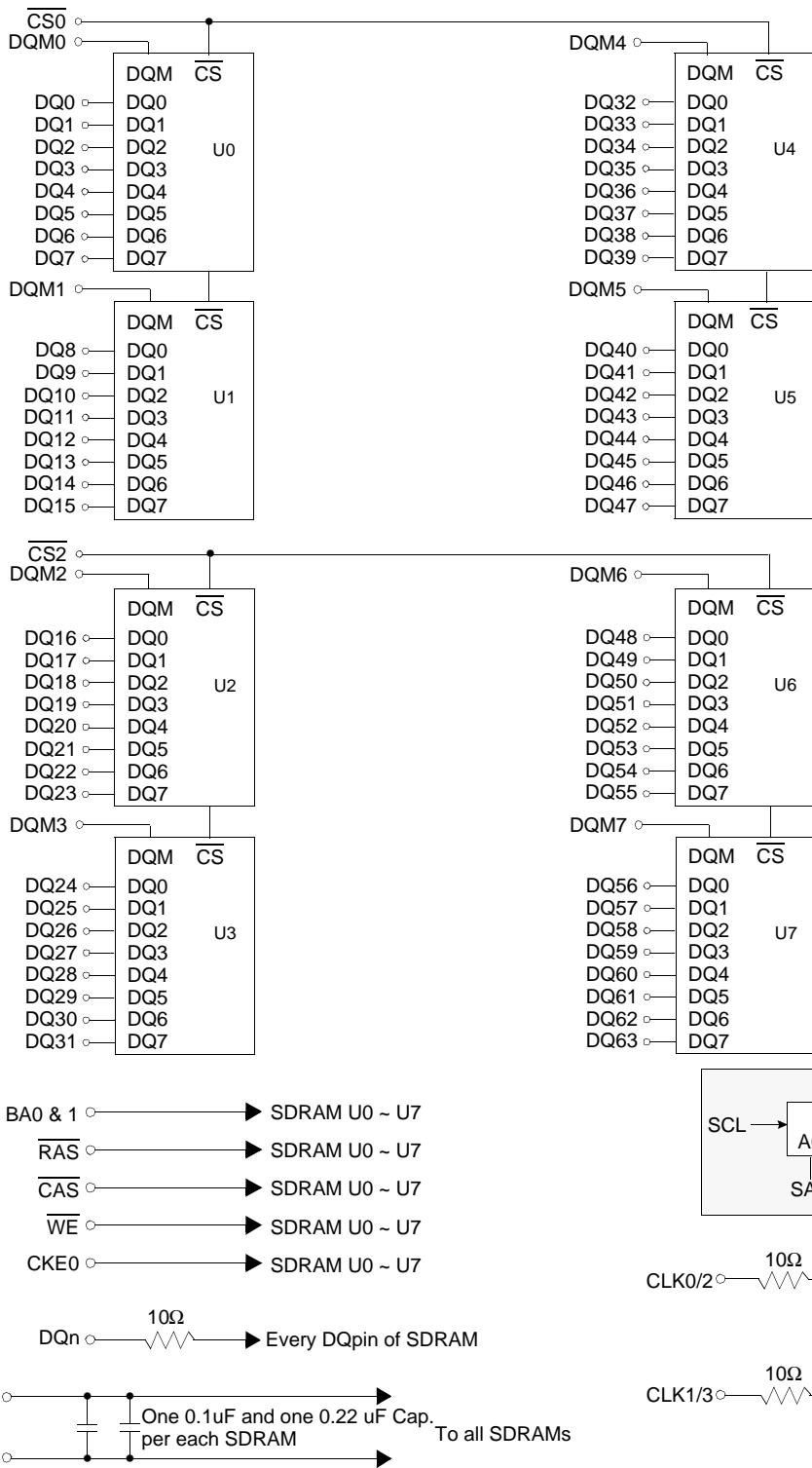
PIN CONFIGURATION DESCRIPTION

Pin	Name	Input Function
CLK	<i>System clock</i>	Active on the positive going edge to sample all inputs.
\overline{CS}	<i>Chip select</i>	Disables or enables device operation by masking or enabling all inputs except CLK, CKE and DQM
CKE	<i>Clock enable</i>	Masks system clock to freeze operation from the next clock cycle. CKE should be enabled at least one cycle prior to new command. Disable input buffers for power down in standby. CKE should be enabled 1CLK+tss prior to valid command.
A0 ~ A11	<i>Address</i>	Row/column addresses are multiplexed on the same pins. Row address : RA0 ~ RA11, Column address : CA0 ~ CA9
BA0 ~ BA1	<i>Bank select address</i>	Selects bank to be activated during row address latch time. Selects bank for read/write during column address latch time.
\overline{RAS}	<i>Row address strobe</i>	Latches row addresses on the positive going edge of the CLK with \overline{RAS} low. Enables row access & precharge.
\overline{CAS}	<i>Column address strobe</i>	Latches column addresses on the positive going edge of the CLK with \overline{CAS} low. Enables column access.
WE	<i>Write enable</i>	Enables write operation and <i>row precharge</i> . Latches data in starting from \overline{CAS} , WE active.
DQM0 ~ 7	<i>Data input/output mask</i>	Makes data output Hi-Z, tshz after the clock and masks the output. Blocks data input when DQM active. (Byte masking)
DQ0 ~ 63	<i>Data input/output</i>	Data inputs/outputs are multiplexed on the same pins.
WP	<i>Write protection</i>	WP pin is connected to Vss through 47KΩ Resistor. When WP is "high", EEPROM Programming will be inhibited and the entire memory will be write-protected.
Vdd/Vss	<i>Power supply/ground</i>	Power and ground for the input buffers and the core logic.

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FUNCTIONAL BLOCK DIAGRAM

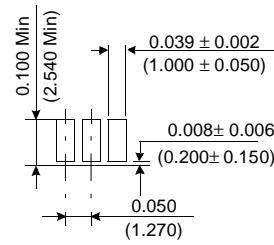
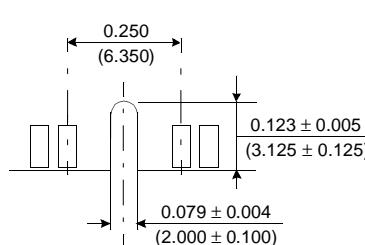
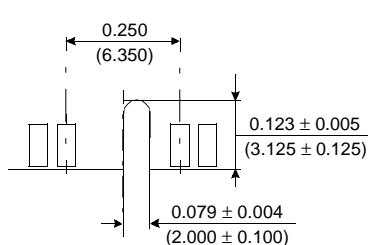
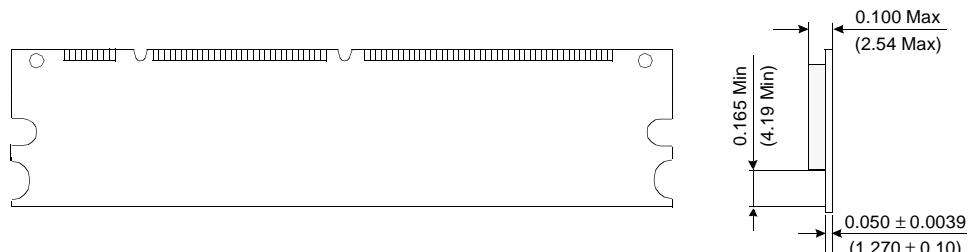
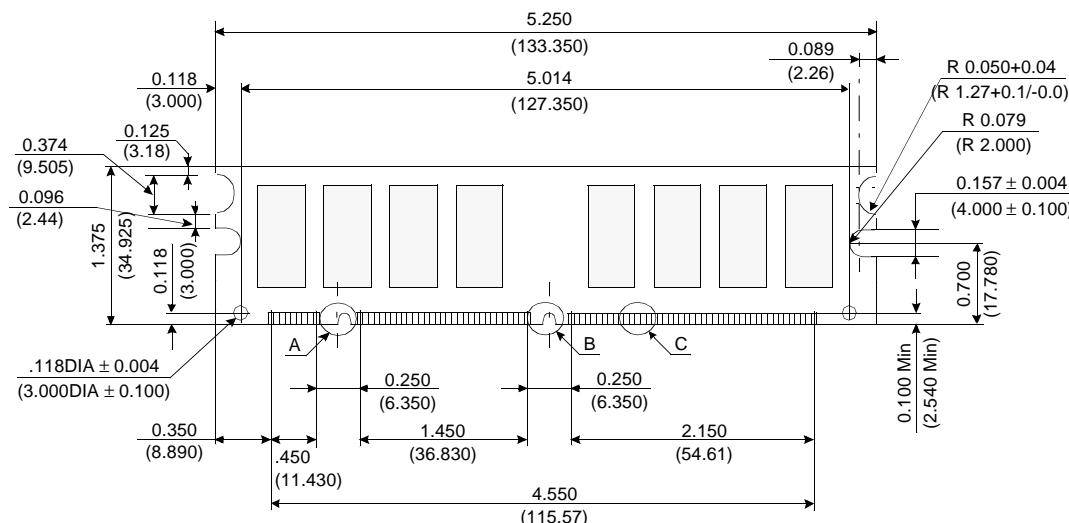


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PACKAGE DIMENSIONS

Units : Inches (Millimeters)



Tolerances : ± .005 (.13) unless otherwise specified

The used device is 16Mx8 SDRAM, TSOP
SDRAM Part No. : K4S280832M