



Nanya Technology

Memory Module Handling Guide

June 2010

Memory Module Introduction



RDIMM



Server



FBDIMM



UDIMM



Desktop PC

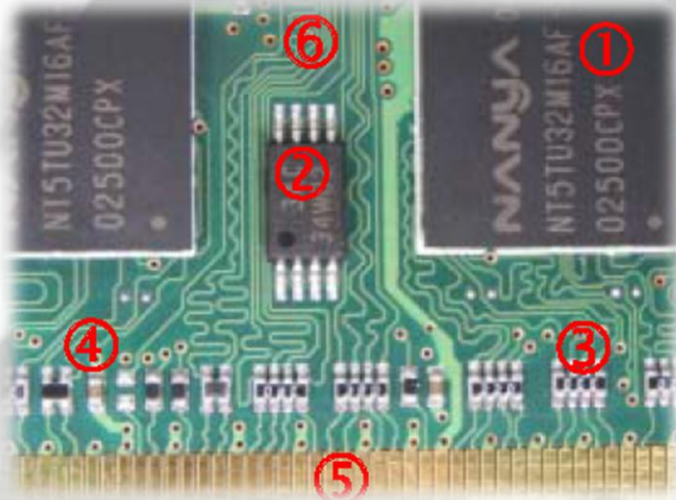


SODIMM



Notebook

Introduction of DIMM Components



1: BGA package DRAM

2: EEPROM

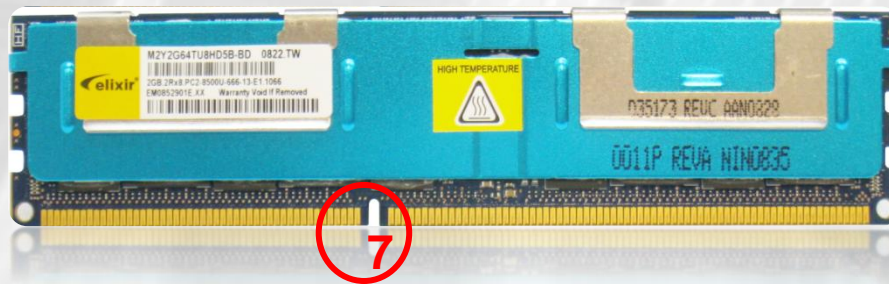
3: Resistor

4: Capacitor

5: Gold finger

6: PCB

7: Notch



UDIMM Proper Handling

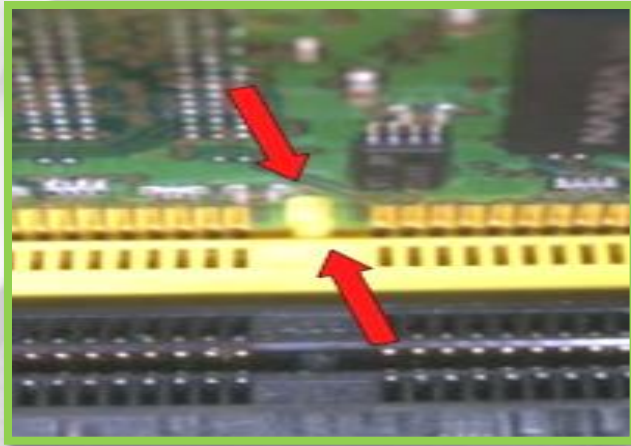


Fig. 1

Fig. 1: Line up notches of module and socket



Fig. 2

**Fig. 2: Hold the memory by both hands on PCB
both side edges**

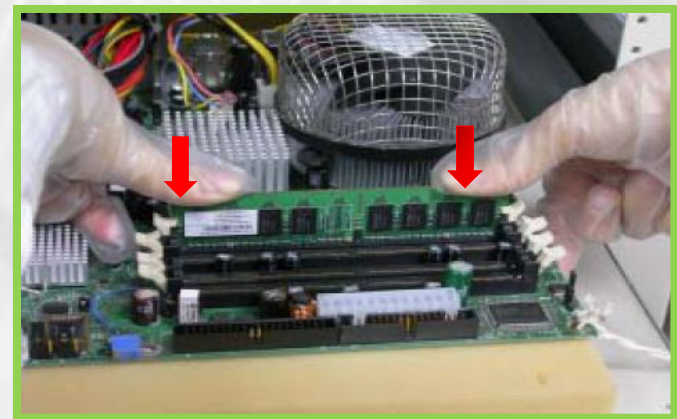


Fig. 3

**Fig. 3: Press the DIMM into the socket with mild
pressure evenly by both hands**

SODIMM Proper Handling

Fig. 4: Level the DIMM at socket by both hands and then insert it obliquely.



Fig. 4



Fig. 5

Fig. 5: Press it toward the motherboard with mild pressure evenly by both hands till the clamps of the socket fix the DIMM rigidly.

Module Proper Handling

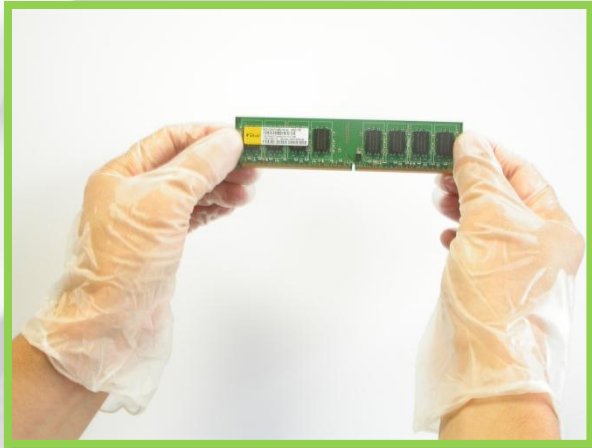


Fig. 6

Fig. 6: Hold memory with both hands in gloves.



Fig. 7

Fig. 7 & 8: Modules should be always stored, carried and packed in a suitable and right dimension tray , so the modules will not be displaced during transportation .



Fig. 8

Module Wrong Handling



Fig. 9

Fig. 9: Do not twist the module, it may cause IC ball crack etc.

Fig. 10: Do not bend the module, it may cause PCB damage etc.



Fig. 10

Module Wrong Handling

Fig. 11: Do not hold more than one module, it may cause gold finger scratch, component crack etc.

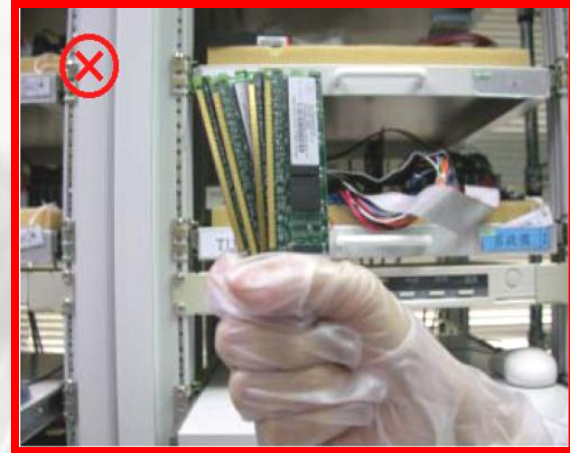


Fig. 11

Fig. 12: Do not press components, it may cause IC crack etc.



Fig. 12

Module Wrong Handling



Fig. 13

Fig. 13: Do not drop to the floor

Fig. 14: Do not stack modules

Fig. 15: Do not lean modules



Fig. 14



Fig. 15

Module Wrong Handling

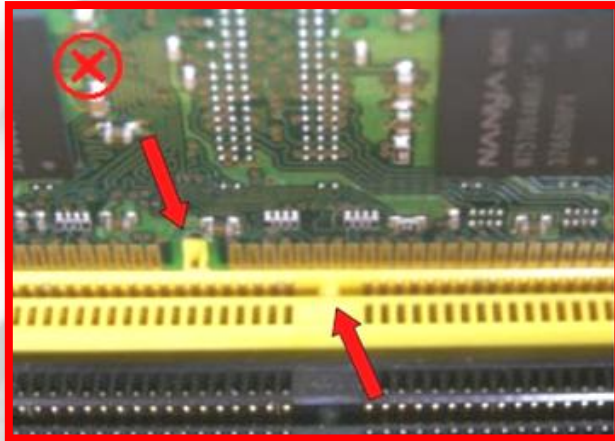


Fig. 16

Fig. 16: Notch position don't match

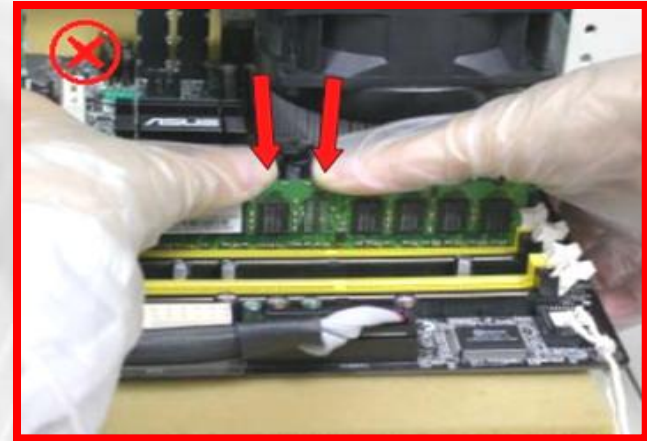


Fig. 17

Fig. 17: Do not press UDIMM in the middle

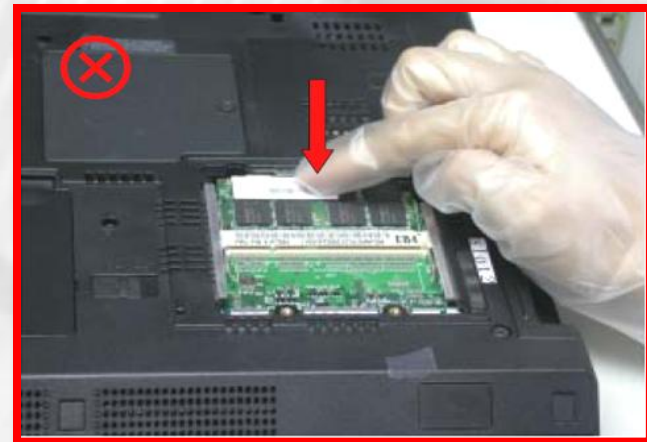


Fig. 18

Fig. 18: Do not press SODIMM in the middle

Thank you!

For more information, please visit <http://www.elixir-memory.eu>