

A SYSTEM FOR PRODUCING AND TESTING SIMM MEMORY MODULES BY UTILIZING ARAM MEMORY CHIPS

A SIMM (Single In-line Memory Module) memory module for use in computers and similar low failure rate applications comprises ARAM (Audio DRAM) memory chips provided with internal address bus for each memory chip and an ASIC (Application Specific Integrated Circuit) module for outer interface, adapted to correcting the following failure categories:

- A - failures affecting a single bit in a code word,
- B - failures affecting multiple bits in a code word, each bit coming from a different memory chip,
- C - failures affecting multiple bits in a code word in a single memory chip.

FIGURE 3