

6.2 SIM16P

The SIM16P is a high speed 32-bit memory card designed to increase the Page Interleave memory of the PAT38PI up to 16Mbytes. The SIM16P has four 32-bit memory banks, Banks 0 through 3. Each bank consists of four SIMM sockets which are designed to accept 256K x 9 or 1M x 9 SIMMs. This feature gives the user maximum flexibility during memory configurations. The user may also choose to populate the SIP sockets on the PAT38PI or those on the SIM16P for system memory Banks 0 and 1. The following table illustrates the possible memory configurations of the SIM16P.

Total Memory	BANK 0 SIMM	BANK 1 SIMM	BANK 2 SIMM	BANK 3 SIMM
1MB	256K	---	---	---
2MB	256K	256K	---	---
3MB	256K	256K	256K	---
4MB	256K	256K	256K	256K
4MB	1M	---	---	---
6MB	1M	256K	256K	---
8MB	1M	1M	---	---
10MB	1M	1M	256K	256K
12MB	1M	1M	1M	---
16MB	1M	1M	1M	1M

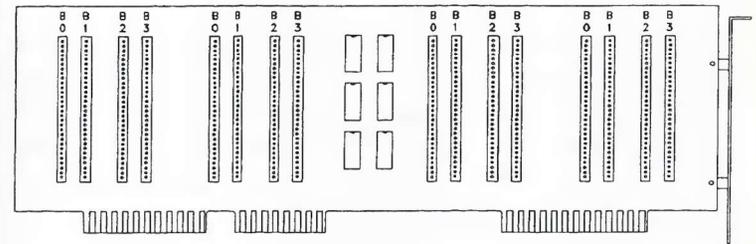


Figure 6: Layout & bank identification of the SIM16P

Note:

1. A memory bank on the SIM16P consists of 4 SIMM sockets.
2. The SIM16P contains four 32-bit memory banks. Therefore if you populate Banks 0 and 1, the SIP sockets on the PAT38PI must remain empty to avoid bank overlap. The reverse is also true. For details on memory banks, refer to Section 3.5.1 "Memory Expansion."