

SAMS MAPPER

The SAMS card has tons of documents as to its function and use. So to re-explain these docs would be pointless. Read the docs or find some, sorry but the RXB package is already huge.

In PASS mode the mapper register setup is equivalent to:

mapper address	mapper	page num	address range
-----	-----	-----	-----
HEX	Dec	HEX Dec	memory area
---	---	---	---
>4004 = 16388	is MR02 =	>02 = 02	points to >2000 - >2FFF range
>4006 = 16390	is MR03 =	>03 = 03	points to >3000 - >3FFF range
>4014 = 16404	is MR10 =	>0A = 10	points to >A000 - >AFFF range
>4016 = 16406	is MR11 =	>0B = 11	points to >B000 - >BFFF range
>4018 = 16408	is MR12 =	>0C = 12	points to >C000 - >CFFF range
>401A = 16410	is MR13 =	>0D = 13	points to >D000 - >DFFF range
>401C = 16412	is MR14 =	>0E = 14	points to >E000 - >EFFF range
>401E = 16414	is MR15 =	>0F = 15	points to >F000 - >FFFF range

(MR=Mapper Register)

In MAP mode the mapper register setup is equivalent to: EXAMPLE1

mapper address	mapper	page num	address range
-----	-----	-----	-----
HEX	Dec	HEX Dec	memory area
---	---	---	---
>4004 = 16388	is MR02 =	>10 = 16	points to >2000 - >2FFF range
>4006 = 16390	is MR03 =	>11 = 17	points to >3000 - >3FFF range
>4014 = 16404	is MR10 =	>12 = 18	points to >A000 - >AFFF range
>4016 = 16406	is MR11 =	>13 = 19	points to >B000 - >BFFF range
>4018 = 16408	is MR12 =	>14 = 20	points to >C000 - >CFFF range
>401A = 16410	is MR13 =	>15 = 21	points to >D000 - >DFFF range
>401C = 16412	is MR14 =	>16 = 22	points to >E000 - >EFFF range
>401E = 16414	is MR15 =	>17 = 23	points to >F000 - >FFFF range

(MR=Mapper Register)