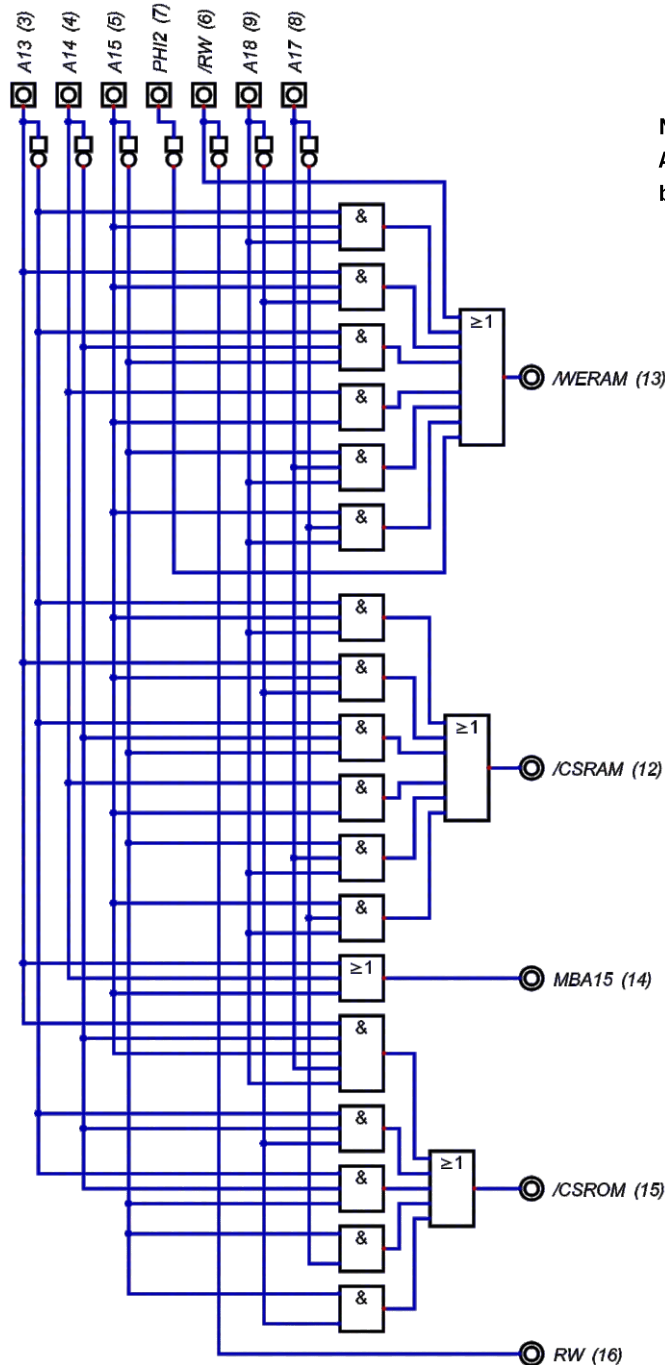


Adressendecoder V2.2b (1541 8x Multi-Speeder)



Memory Map 8x Multispeeder Speeder 32KB RAM

Adressdekoder 2.2b

by Frank Eggen

				000	001	010	011	100	101	110	111
Adr	A18	A17	A16	BANK 0	BANK 1	BANK 2	BANK 3	BANK 4	BANK 5	BANK 6	BANK 7
	0	0	0	CBMDOS 2.6	DolphinDos 2.0	SpeedDos+ 40T.	JiffyDos 5.0	S-JiffyDos 1	RapiDos Classic	CBMDOS 2.6	SpeedDos Expert
0000	0	0	0	X	X	X	X	X	X	X	X
1000	0	0	0	X	X	X	X	X	X	X	X
2000	0	0	1	RAM	RAM	RAM	RAM	RAM	RAM	ROM	ROM
3000	0	0	1	RAM	RAM	RAM	RAM	RAM	RAM	ROM	ROM
4000	0	1	0	RAM	RAM	RAM	RAM	RAM	RAM	ROM	ROM
5000	0	1	0	RAM	RAM	RAM	RAM	RAM	RAM	ROM	ROM
6000	0	1	1	RAM	RAM	RAM	RAM	RAM	RAM	ROM	ROM
7000	0	1	1	RAM	RAM	RAM	RAM	RAM	RAM	ROM	ROM
8000	1	0	0	RAM	RAM	RAM	RAM	ROM	ROM	ROM	ROM
9000	1	0	0	RAM	RAM	RAM	RAM	ROM	ROM	ROM	ROM
A000	1	0	1	ROM	ROM	ROM	ROM	ROM	ROM	RAM	RAM
B000	1	0	1	ROM	ROM	ROM	ROM	ROM	ROM	RAM	RAM
C000	1	1	0	ROM	ROM	ROM	ROM	ROM	ROM	ROM	ROM
D000	1	1	0	ROM	ROM	ROM	ROM	ROM	ROM	ROM	ROM
E000	1	1	1	ROM	ROM	ROM	ROM	ROM	ROM	ROM	ROM
F000	1	1	1	ROM	ROM	ROM	ROM	ROM	ROM	ROM	ROM

$$\text{/WERAM} = \text{/RW} \vee (\overline{\text{A13}} \wedge \text{A15} \wedge \text{A18}) \vee (\text{A13} \wedge \text{A15} \wedge \overline{\text{A18}}) \vee (\overline{\text{A13}} \wedge \overline{\text{A14}} \wedge \overline{\text{A15}}) \vee (\text{A14} \wedge \text{A15}) \vee (\overline{\text{A15}} \wedge \text{A17} \wedge \text{A18}) \vee (\text{A15} \wedge \overline{\text{A17}} \wedge \text{A18}) \vee \overline{\text{PHI2}}$$

$$\text{/CSRAM} = (\overline{\text{A13}} \wedge \text{A15} \wedge \text{A18}) \vee (\text{A13} \wedge \text{A15} \wedge \overline{\text{A18}}) \vee (\overline{\text{A13}} \wedge \overline{\text{A14}} \wedge \overline{\text{A15}}) \vee (\text{A14} \wedge \text{A15}) \vee (\overline{\text{A15}} \wedge \text{A17} \wedge \text{A18}) \vee (\text{A15} \wedge \overline{\text{A17}} \wedge \text{A18})$$

$$\text{MBA15} = \text{A13} \vee \text{A14} \vee \text{A15}$$

$$\text{/CSROM} = (\text{A13} \wedge \overline{\text{A14}} \wedge \text{A15} \wedge \text{A17} \wedge \text{A18}) \vee (\overline{\text{A13}} \wedge \overline{\text{A14}} \wedge \overline{\text{A18}}) \vee (\overline{\text{A13}} \wedge \overline{\text{A14}} \wedge \overline{\text{A15}}) \vee (\overline{\text{A15}} \wedge \overline{\text{A17}}) \vee (\overline{\text{A15}} \wedge \overline{\text{A18}})$$

$$\text{RW} = \text{/RW}$$