

12345678

A

bus

power

buffers

B

File: bus.kicad\_sch  
TMS9995CPU

File: power.kicad\_sch  
GALS

File: buffers.kicad\_sch  
bus sharing

IO

C

D

E

12345678

Sheet: /  
File: processor.tms9995.kicad\_sch

Title: **Duodyne TMS9995 CPU board**

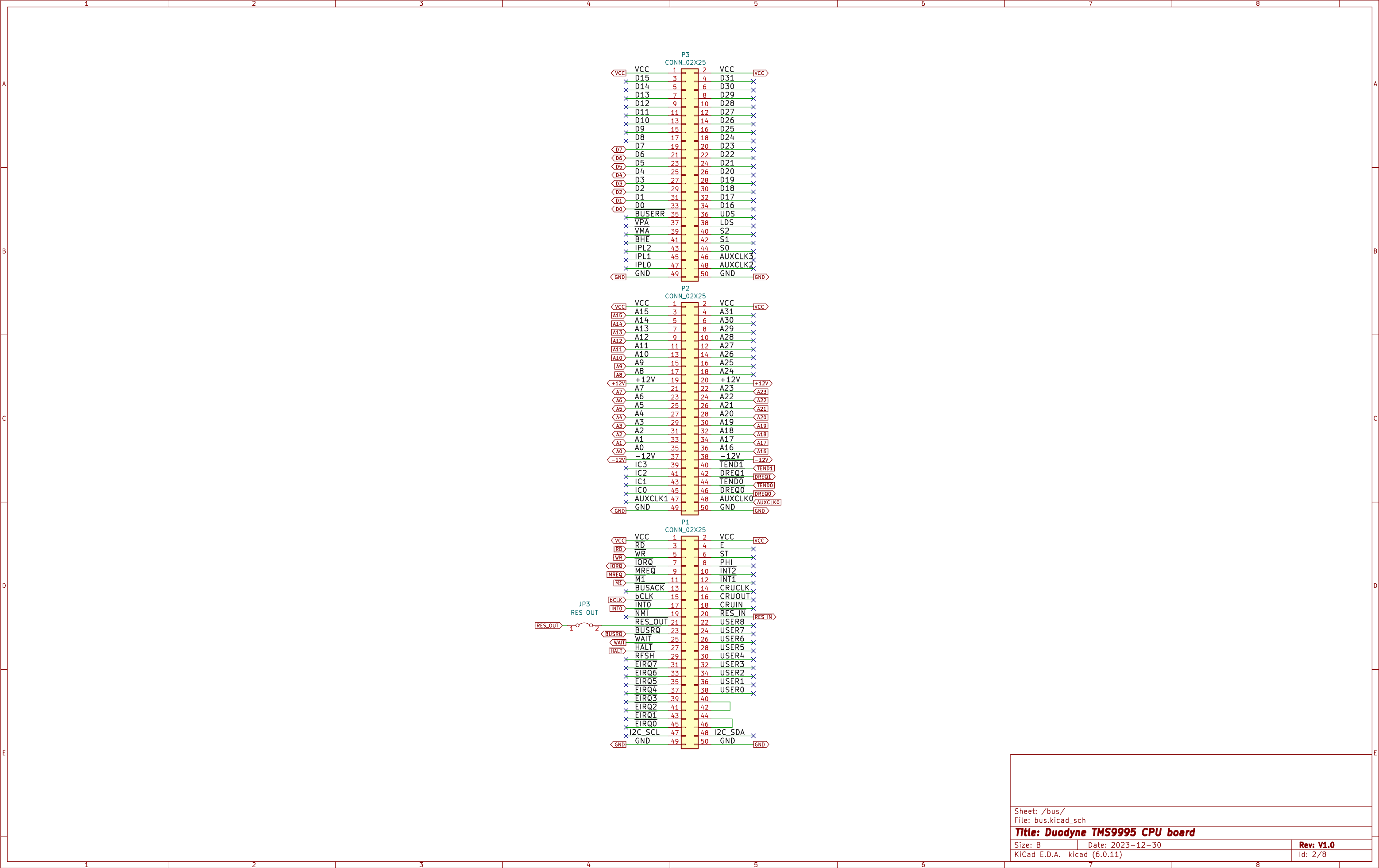
Size: B

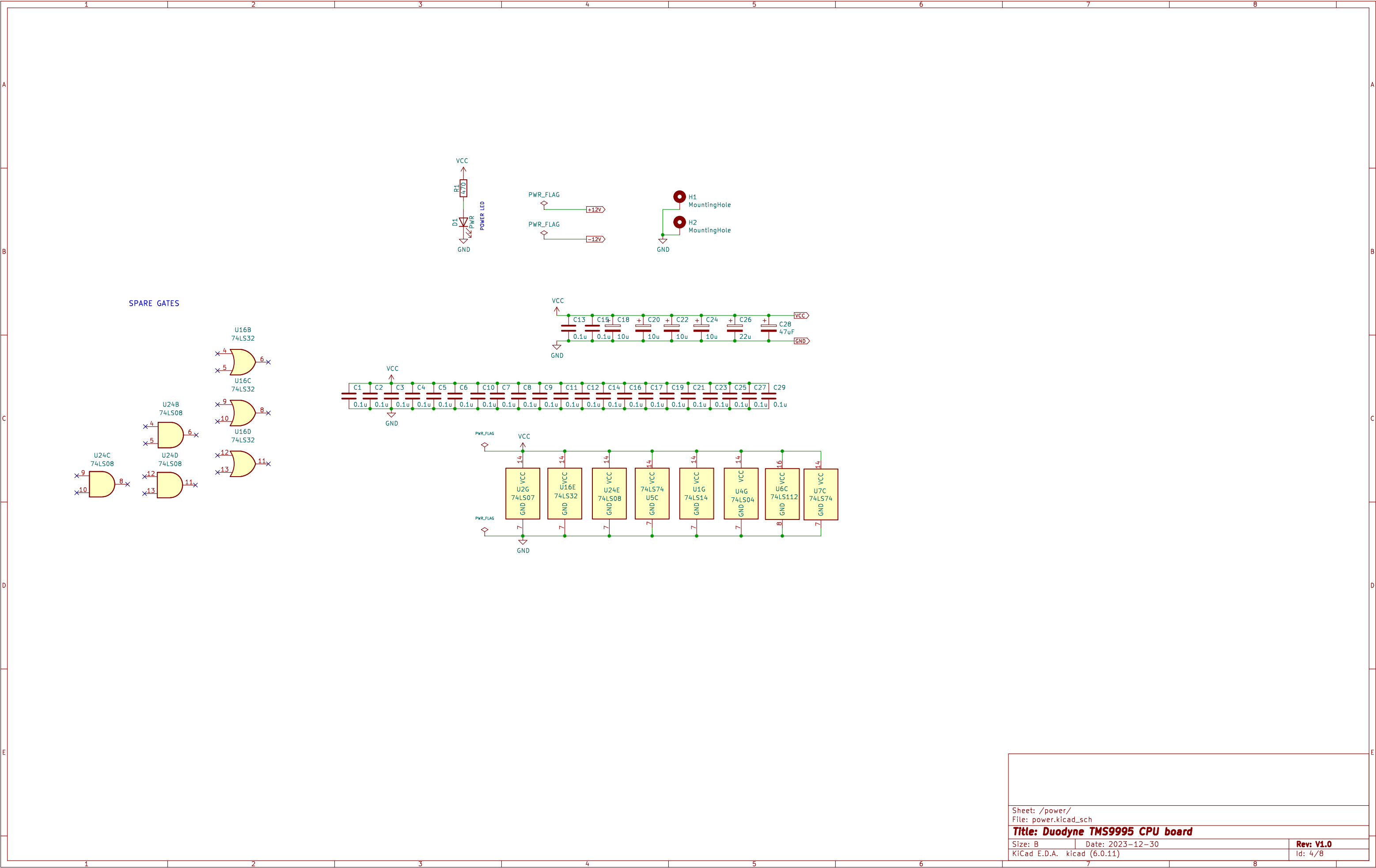
Date: 2023-12-30

Rev: **V1.0**

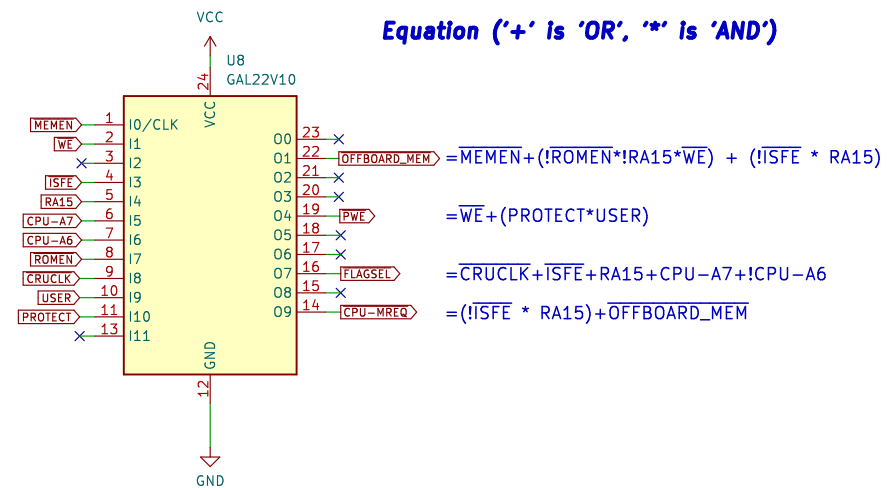
KiCad E.D.A.    kicad (6.0.11)

Id: 1/8





## TMS9995 MEM GAL22V10

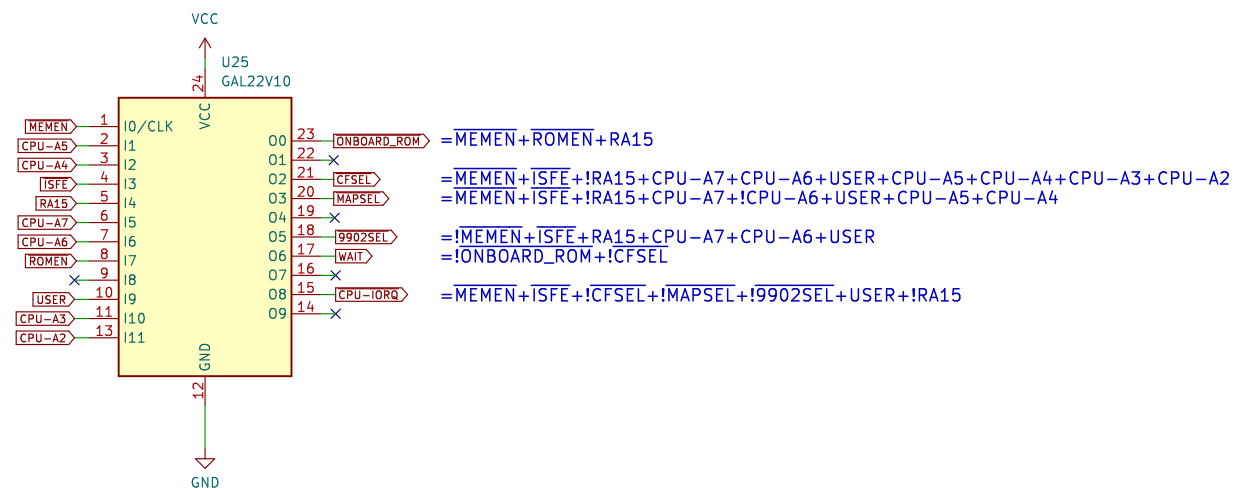


The memory map is shown in the table below.

Memory Address	Mapped To
>0000 -> 7FFF	ROM when enabled, otherwise RAM
>8000 -> EFFF	RAM
>F000 -> F0FB	TMS 9995 internal RAM
>F0FC -> FDFE	RAM
>FE00 -> FE3F	CF card ATA registers (FIX INCOMPLETE DECODING WITH NEXT REVISION)
>FE40 -> FE7F	Memory mapper registers 0-15 (>FE40 -> FE4F, repeats at >FE50 etc. . . FIX INCOMPLETE DECODING WITH NEXT REVISION)
>FE80 -> FEBF	Offboard IO (ports \$80-\$FF)
>FFF0 -> FFFF	RAM
>FFFA -> FFFF	TMS 9995 internal RAM

CRU Address Mapped To  
 >0000 - >003F TMS 9902 registers  
 >0040 - >007F Control signal latch (further details here)  
 (Plus processor internal CRU bits)

TMS9995 IO GAL22V10



Sheet: /GALS/  
File: GALS.kicad\_sch

**Title: Duodyne TMS9995 CPU board**

Size: B	Date: 2023-12-30	Rev: V1.0
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