

12345678

bus

power

buffers

fpanel

File: bus.kicad_sch
80C188CPU

File: power.kicad_sch
Memory

File: buffers.kicad_sch
bus sharing

File: fpanel.kicad_sch
mapper

File: CPU_80C188.kicad_sch

File: Memory.kicad_sch

File: bussharing.kicad_sch

File: mapper.kicad_sch

Sheet: /
File: processor.80C188.kicad_sch

Title: **Duodyne 80C188 CPU board**

Size: B

Date: 2024-10-20

Rev: **V0.8**

KiCad E.D.A. kicad (6.0.11)

Id: 1/9

A

B

C

D

E

1

2

3

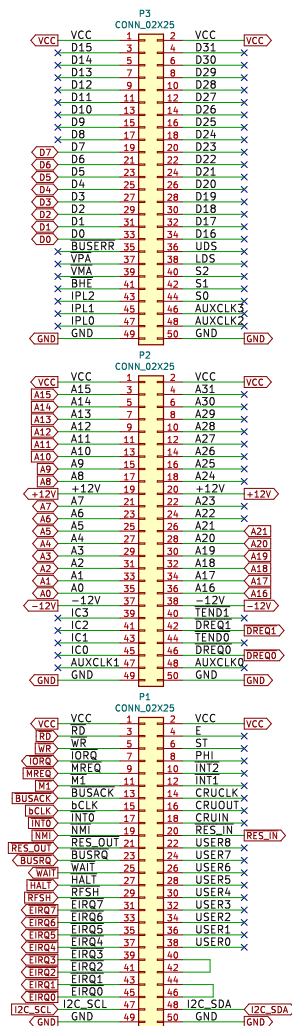
4

5

6

7

8



RetroBrew Computer Group
Based on a design by John R Coffman.

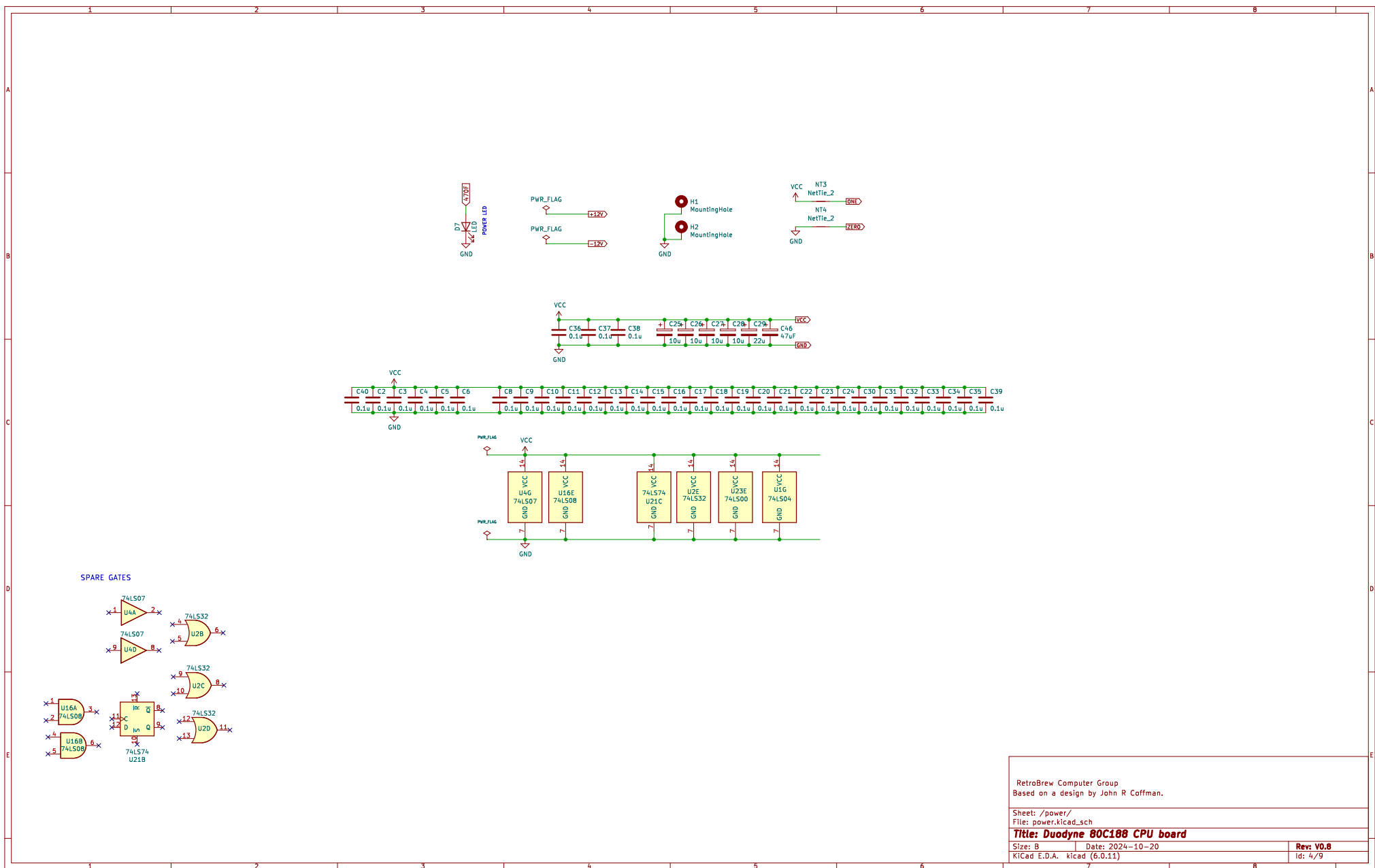
Sheet: /bus/
File: bus.kicad_sch

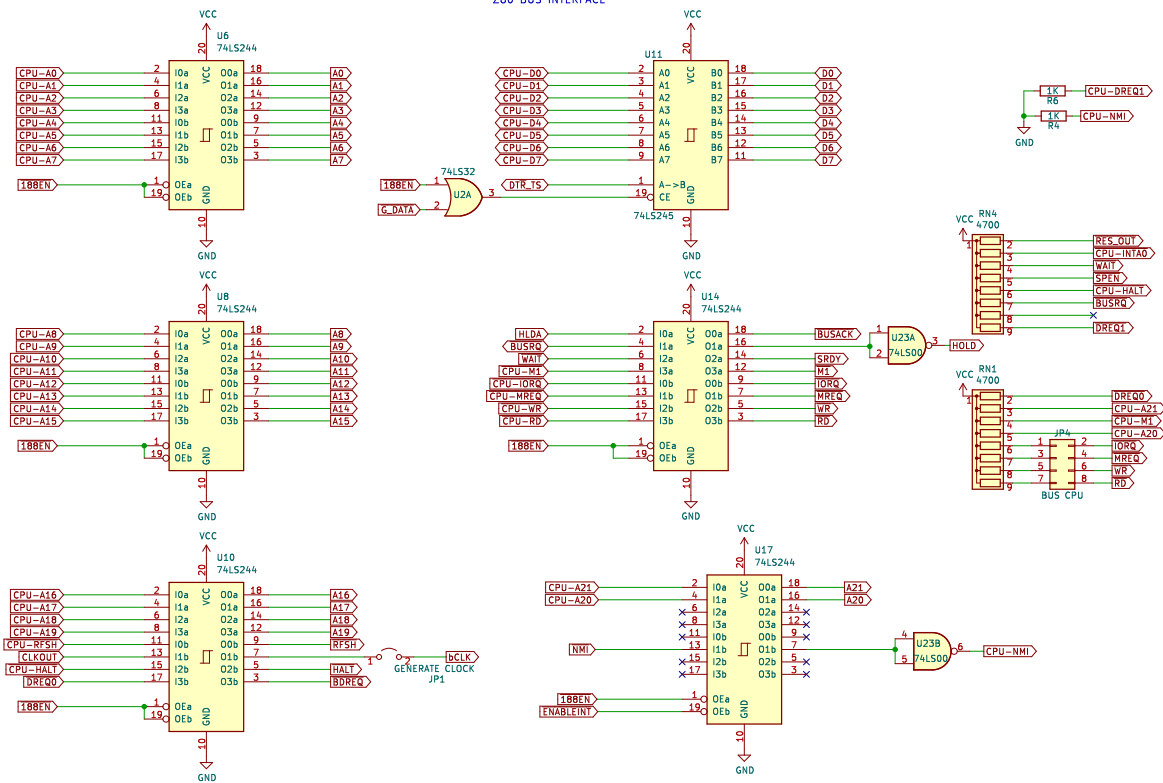
Title: Duodyne 80C188 CPU board

Size: B Date: 2024-10-20

Rev: V0.8
Id: 2/9

KiCad E.D.A. kicad (6.0.11)





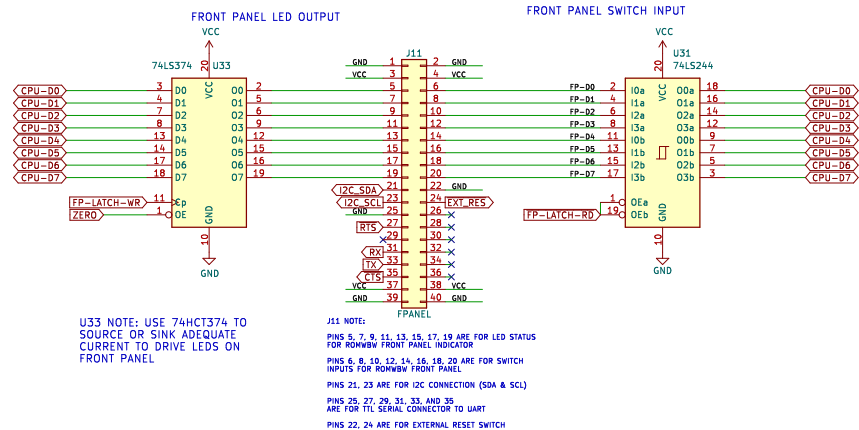
RetroBrew Computer Group
Based on a design by John R Coffman.

Sheet: /buffers/
File: buffers.kicad_sch

Title: Duodyne 80C188 CPU board

Size: B Date: 2024-10-20
KiCad E.D.A. kicad (6.0.11)

Rev: V0.8
Id: 6/9



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Sheet: /fpanel/
 File: fpanel.kicad_sch

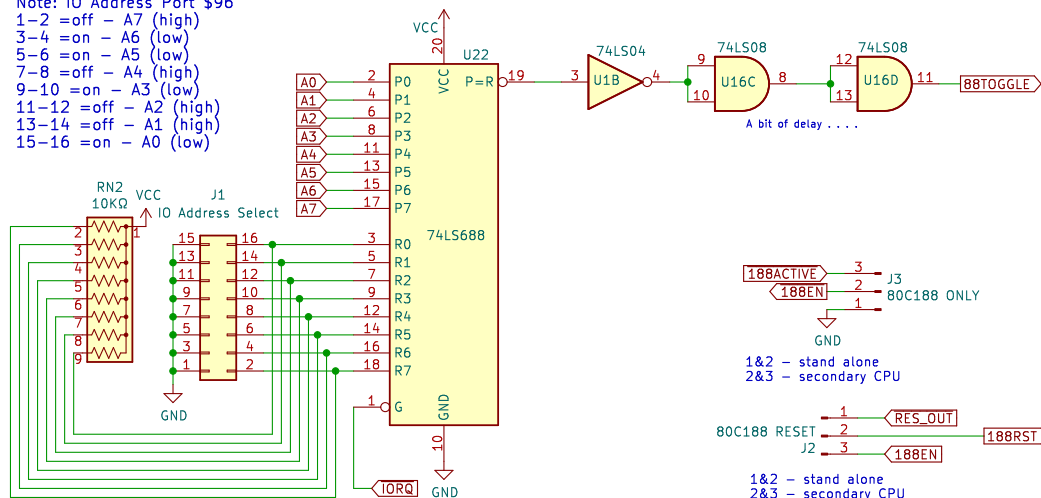
Title: Duodyne 80C188 CPU board

Size: B Date: 2024-10-20
 KiCad E.D.A. kicad (6.0.11)

Rev: V0.8
 Id: 8/9

Note: IO Address Port \$96

1-2 = off - A7 (high)
 3-4 = on - A6 (low)
 5-6 = on - A5 (low)
 7-8 = off - A4 (high)
 9-10 = on - A3 (low)
 11-12 = off - A2 (high)
 13-14 = off - A1 (high)
 15-16 = on - A0 (low)

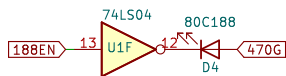
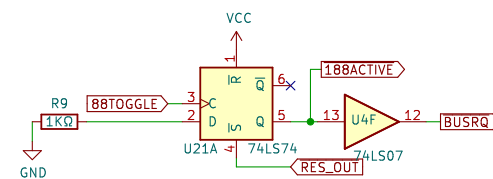


188ACTIVE 3 J3
 188EN 2
 80C188 ONLY
 1

1&2 - stand alone
 2&3 - secondary CPU

80C188 RESET 1 RES_OUT
 J2 2
 188EN 3 188RST

1&2 - stand alone
 2&3 - secondary CPU



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Sheet: /bus sharing/
 File: bussharing.kicad_sch

Title: Duodyne 80C188 CPU board

Size: A4 Date: 2024-10-20
 KiCad E.D.A. kicad (6.0.11)

Rev: V0.8
 Id: 9/9

