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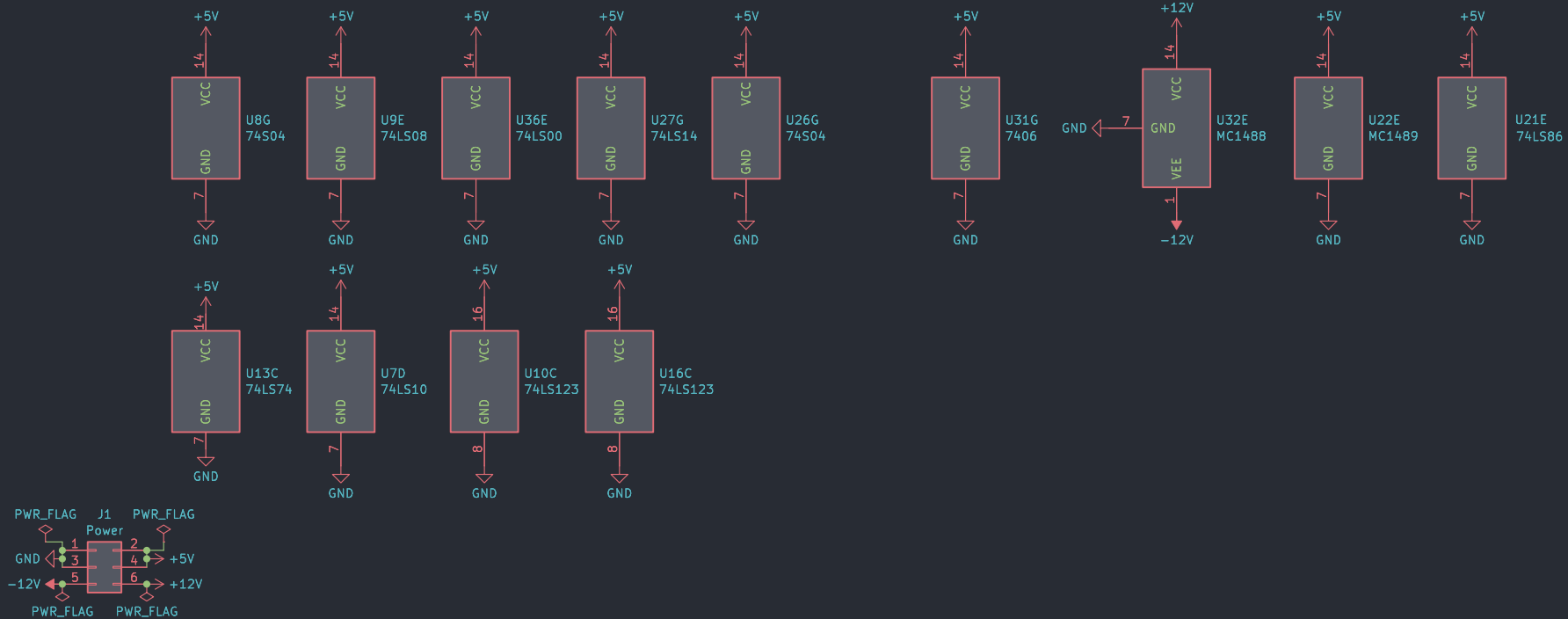
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Jernej Jakob <jernej.jakob@gmail.com>

KIC88 L.D.A. KIC88 7.0.0

REV. 1  
11/1/11

10. 17/10



reverse engineered by hand  
**Jernej Jakob** <jernej.jakob@gmail.com>

Sheet: /Powers/  
 File: powers.kicad\_sch

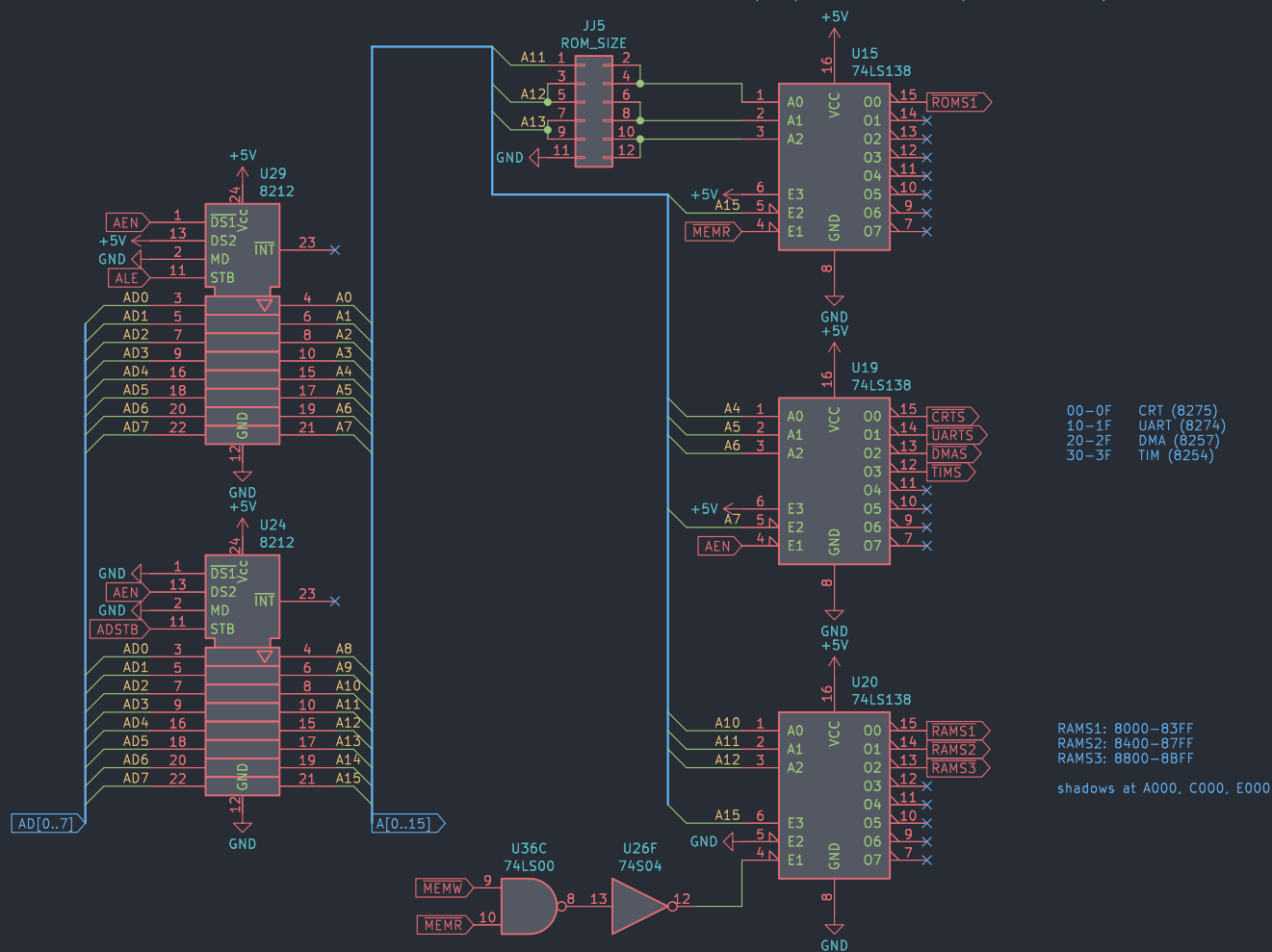
**Title: Iskra Delta Partner Video (text) 30 797 044**

Size: A4 | Date: 2023-08-17  
 KiCad E.D.A. kicad 7.0.6

Rev: 1  
 Id: 2/10



JJ5 ROM\_SIZE JUMPERS:  
 1-2, 5-6, 9-10 = 2kB (2716) address: 0000-07FF (shadow 4000-47FF)  
 3-4, 7-8, 11-12 = 4kB (2732) address: 0000-0FFF (shadow 4000-4FFF)



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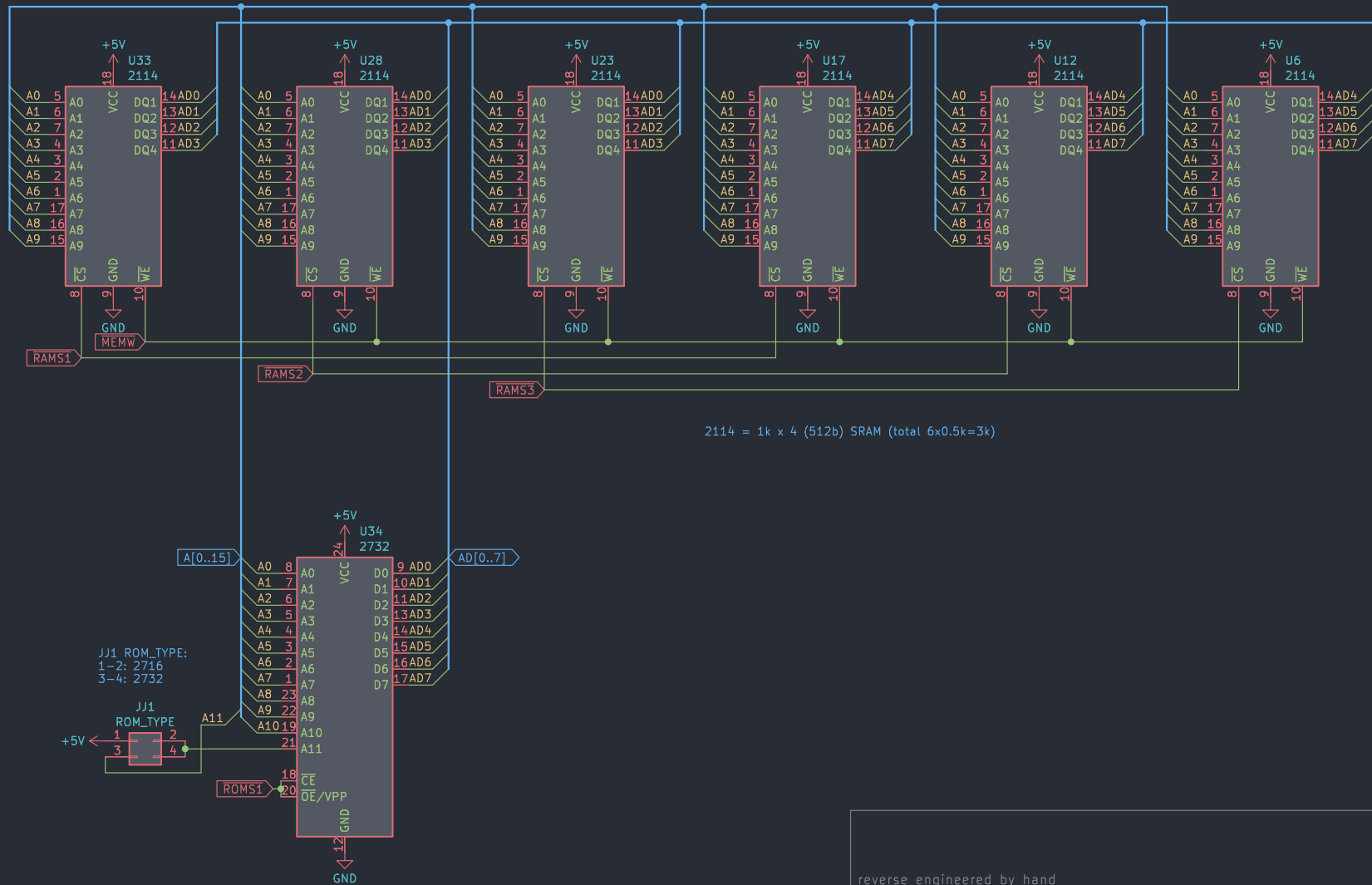
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**Title: Iskra Delta Partner Video (text) 30 797 044**

Size: A4 Date: 2023-08-17  
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Rev: 1  
 Id: 4/10

Rev: 1
Id: 5/10



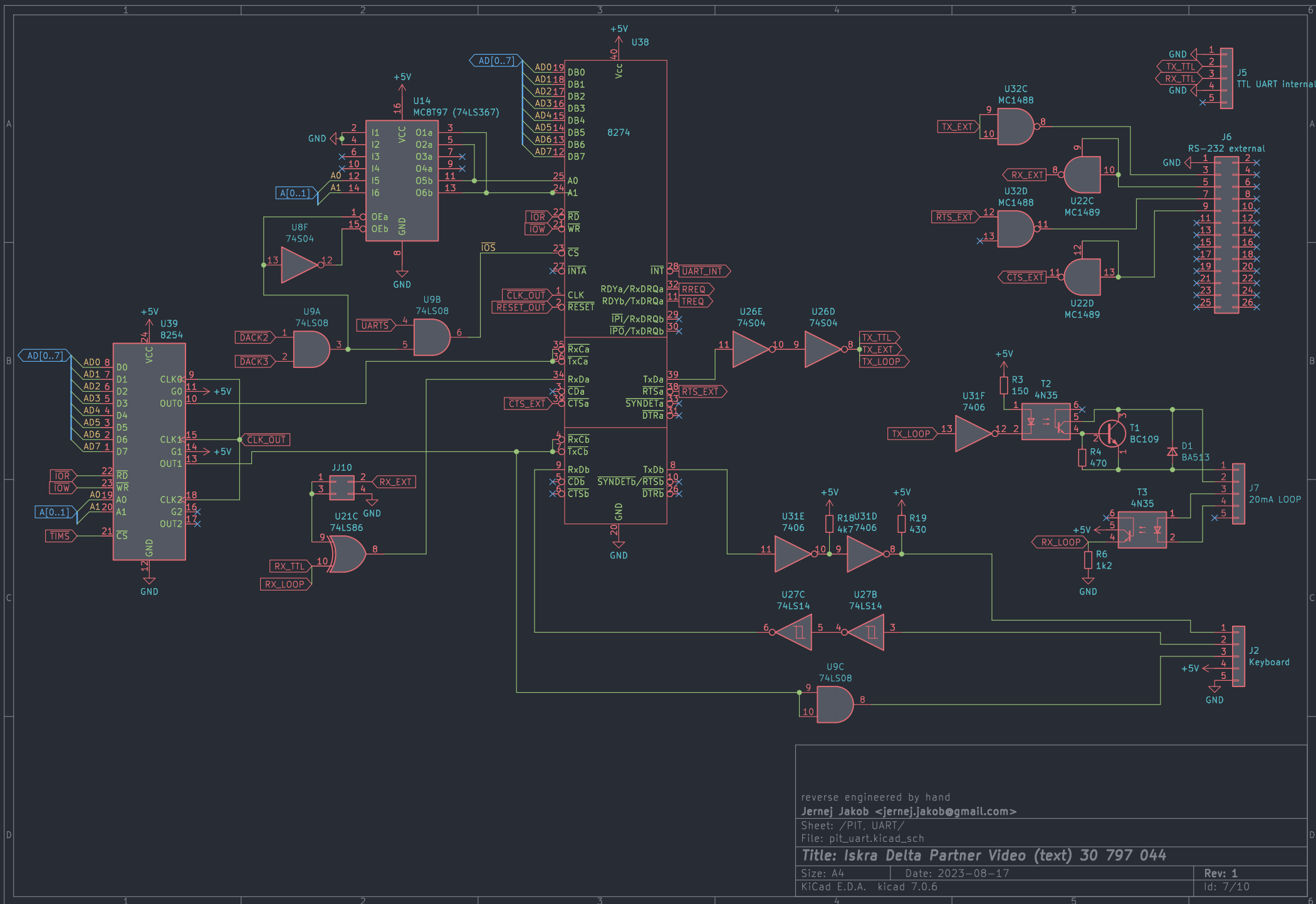
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Sheet: /Memory/  
 File: memory.kicad\_sch

**Title: Iskra Delta Partner Video (text) 30 797 044**

Size: A4 Date: 2023-08-17  
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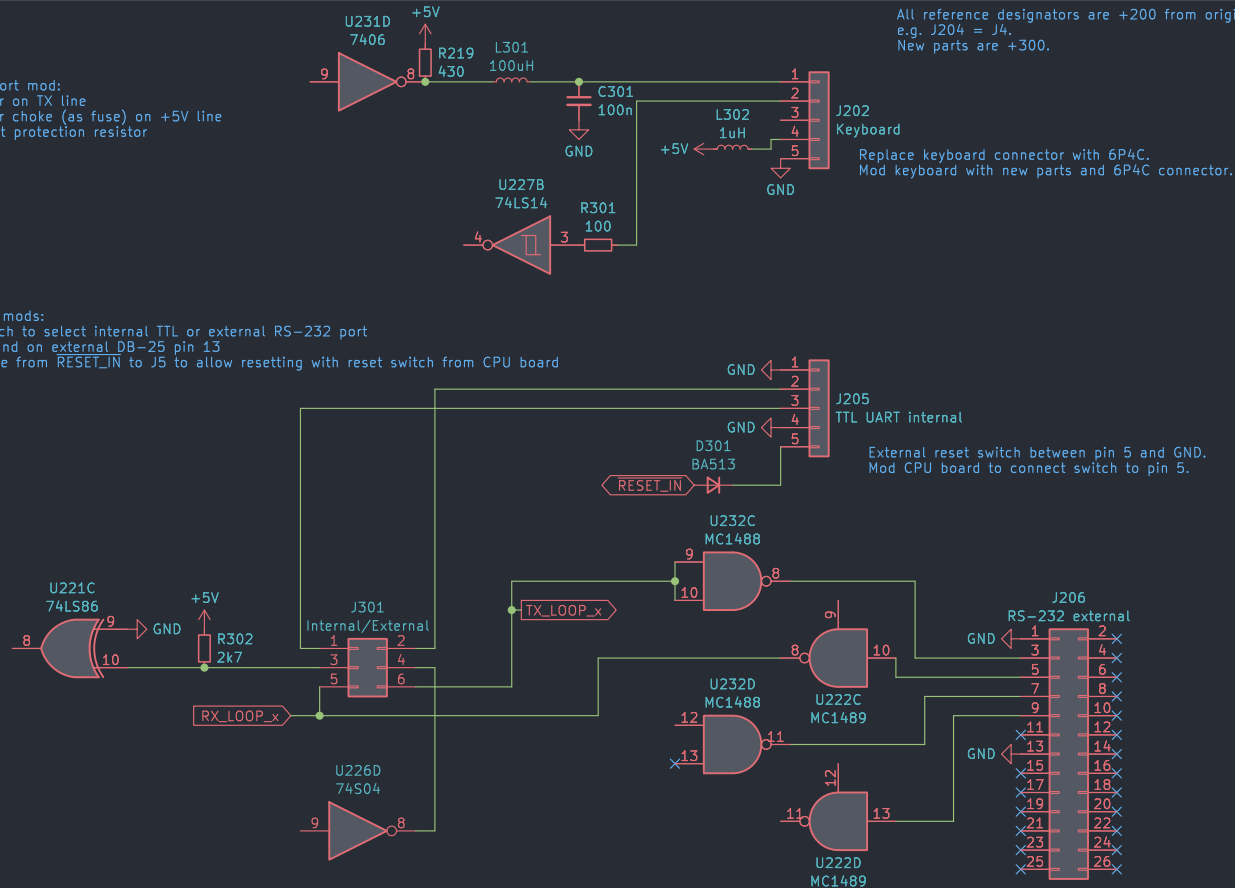
Rev: 1  
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Keyboard port mod:  
 - add filter on TX line  
 - add filter choke (as fuse) on +5V line  
 - add input protection resistor

Serial port mods:  
 - add switch to select internal TTL or external RS-232 port  
 - add ground on external DB-25 pin 13  
 - add diode from RESET\_IN to J5 to allow resetting with reset switch from CPU board

All reference designators are +200 from original.  
 e.g. J204 = J4.  
 New parts are +300.



Cut traces to pins 9 and 12 of U22 (MC1489) to make inputs RS-232 compliant.  
 Add GND to pin 13 of J4.  
 Connect J204 to DB-9 or DE-9 male socket.  
 Connect DPDT switch to J301.  
 JJ10 must be set to GND.

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Sheet: /UART mods/  
 File: uart\_mods.kicad\_sch

**Title: Iskra Delta Partner Video (text) 30 797 044**

Size: A4 Date: 2023-08-17

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