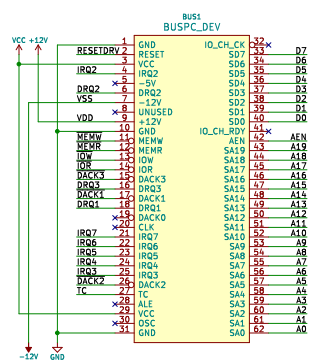
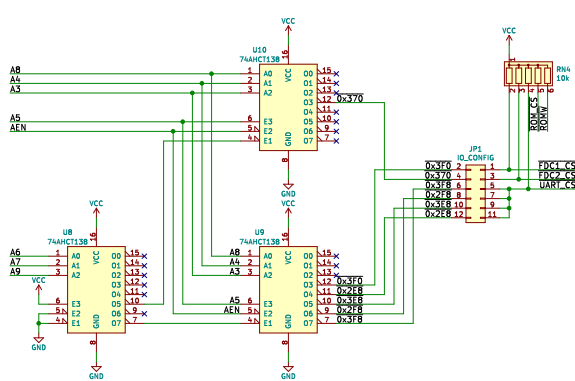


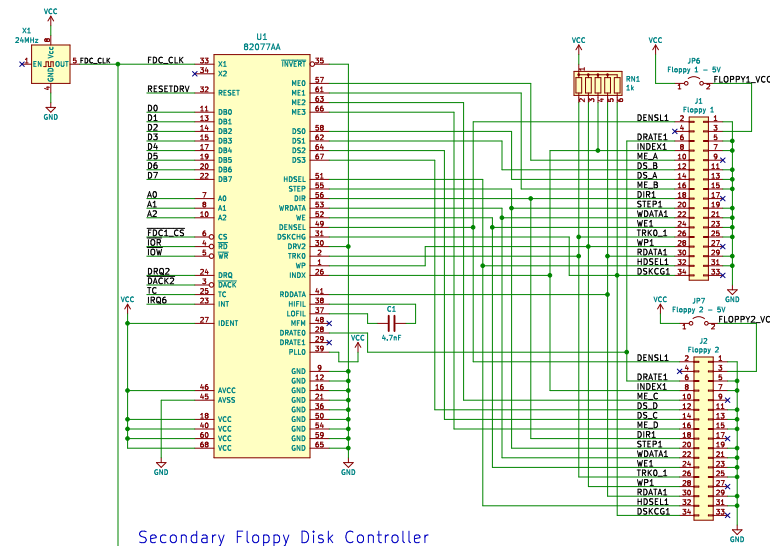
ISA Bus



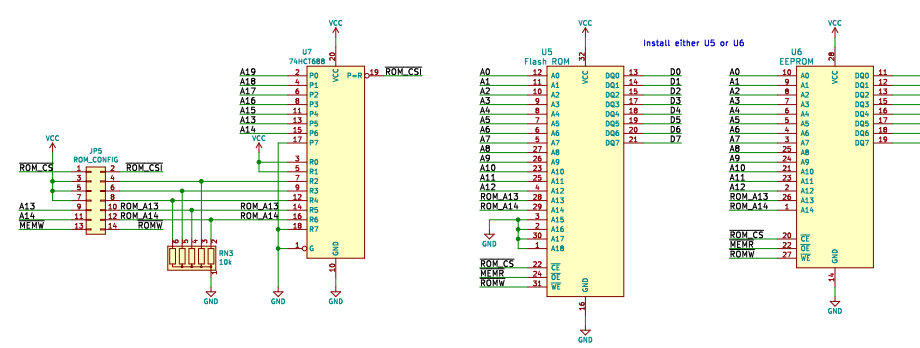
I/O - Chip Select Logic



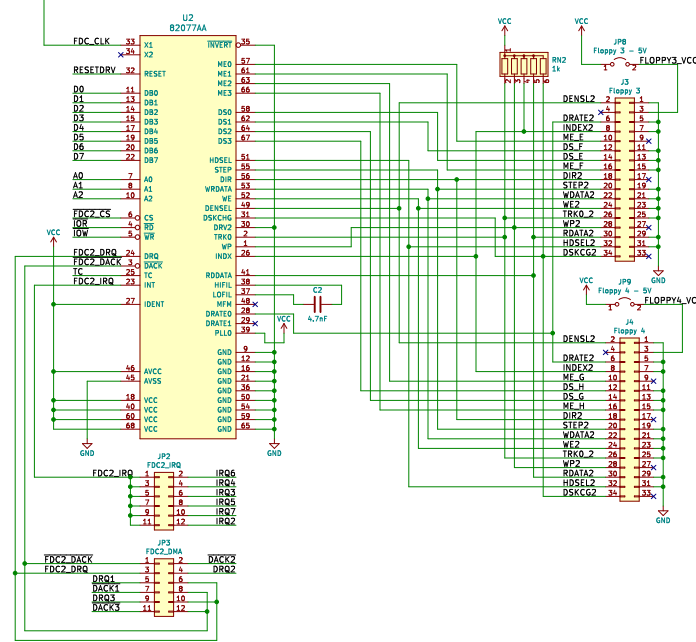
Primary Floppy Disk Controller



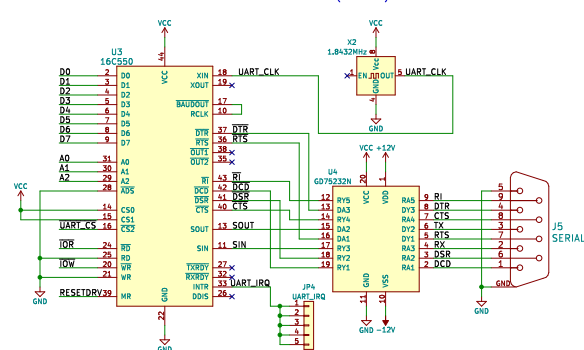
BIOS Extension ROM



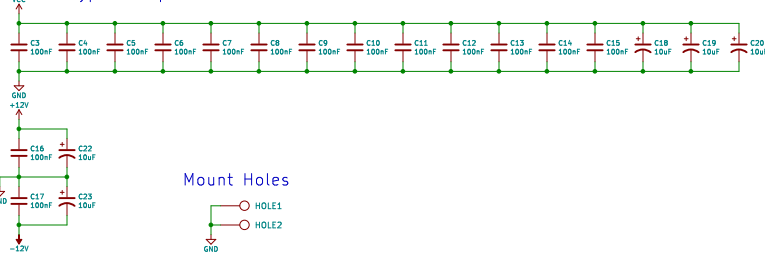
Secondary Floppy Disk Controller



Serial Port Controller (UART)



Bypass Capacitors



Mount Holes



Settings

- JP1 - I/O Ports Configuration**
- JP1.1 - ON: Enable Primary FDC*
 - JP1.2 - ON: Enable Secondary FDC*
 - JP1.3 - ON: Enable UART at 0x2F8 (COM1)*
 - JP1.4 - ON: Enable UART at 0x2F8 (COM2)*
 - JP1.5 - ON: Enable UART at 0x3E8 (COM3)*
 - JP1.6 - ON: Enable UART at 0x3E8 (COM4)*
 - Note: Set only one of JP1.3 - JP1.6 jumpers
- JP2 - Secondary FDC IRQ Configuration**
- JP2.1 - ON: IRQ6
 - JP2.2 - ON: IRQ4
 - JP2.3 - ON: IRQ3
 - JP2.4 - ON: IRQ5
 - JP2.5 - ON: IRQ7
 - JP2.6 - ON: IRQ2
 - Note: Set only one of JP2.1 - JP2.6 jumpers
- JP3 - Secondary FDC DMA Configuration**
- JP3.1 and JP3.2 - ON: DMA Channel 2*
 - JP3.3 and JP3.4 - ON: DMA Channel 1*
 - JP3.5 and JP3.6 - ON: DMA Channel 3*
 - Note: Set only one pair of JP3.1 - JP3.6 jumpers
- JP4 - UART IRQ Configuration**
- JP4.1 - ON: IRQ3 (COM1, COM3)*
 - JP4.2 - ON: IRQ3 (COM2, COM4)*
 - JP4.3 - ON: IRQ5
 - JP4.4 - ON: IRQ7
 - JP4.5 - ON: IRQ2
 - Note: Set only one of JP4.1 - JP4.5 jumpers
- JP5 - BIOS Extension ROM Configuration**
- JP5.1 - OFF: Disable ROM
 - JP5.2 - JP5.3 - BIOS Extension ROM Address:
 - JP5.2, JP5.3, JP5.4 - OFF, OFF, OFF - 0xC0000
 - JP5.2, JP5.3, JP5.4 - OFF, OFF, ON - 0xC0000
 - JP5.2, JP5.3, JP5.4 - OFF, ON, OFF - 0xD0000
 - JP5.2, JP5.3, JP5.4 - OFF, ON, ON - 0xD0000
 - JP5.2, JP5.3, JP5.4 - ON, OFF, OFF - 0xE0000
 - JP5.2, JP5.3, JP5.4 - ON, OFF, ON - 0xE0000
 - JP5.5, JP5.6 - ROM Size:
 - JP5.5, JP5.6 - OFF, OFF: 8 KIB ROM (28C64)
 - JP5.5, JP5.6 - ON, ON: 32 KIB ROM (28C256, 39SF010)*
 - JP5.7 - OFF: Disable EEPROM write
 - JP5.7 - ON: Enable EEPROM write

Monster Floppy Disk Controller is an open source hardware project
Documentation and design files: <https://github.com/skileer/monster-fdc>
Licensed under CERN-OHL-S: <https://cern-ohl-web.cern.ch>

Designed by Sergey Skileer

File: [isa_monster_fdc.sch](#)
Title: Monster Floppy Disk Controller

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