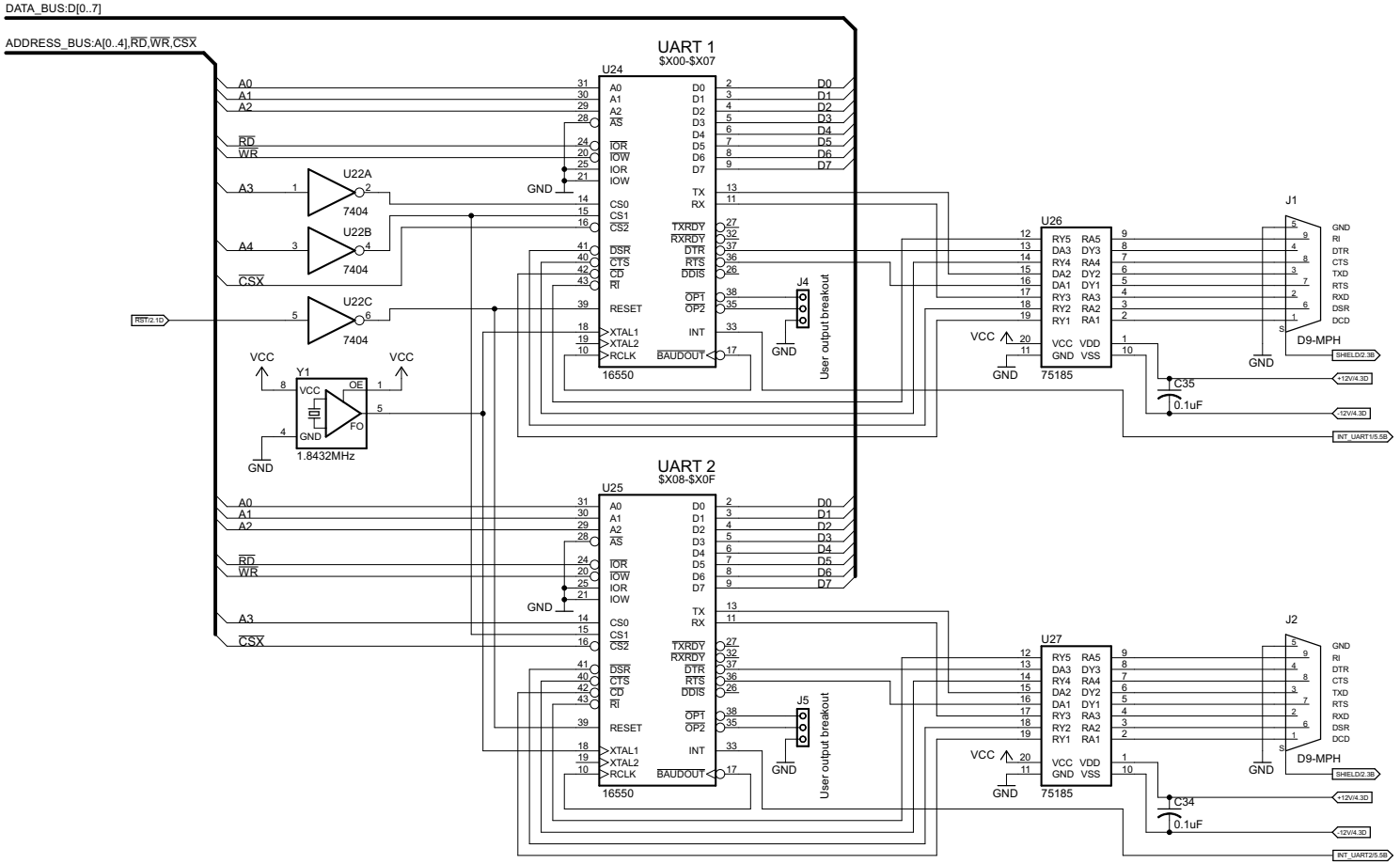
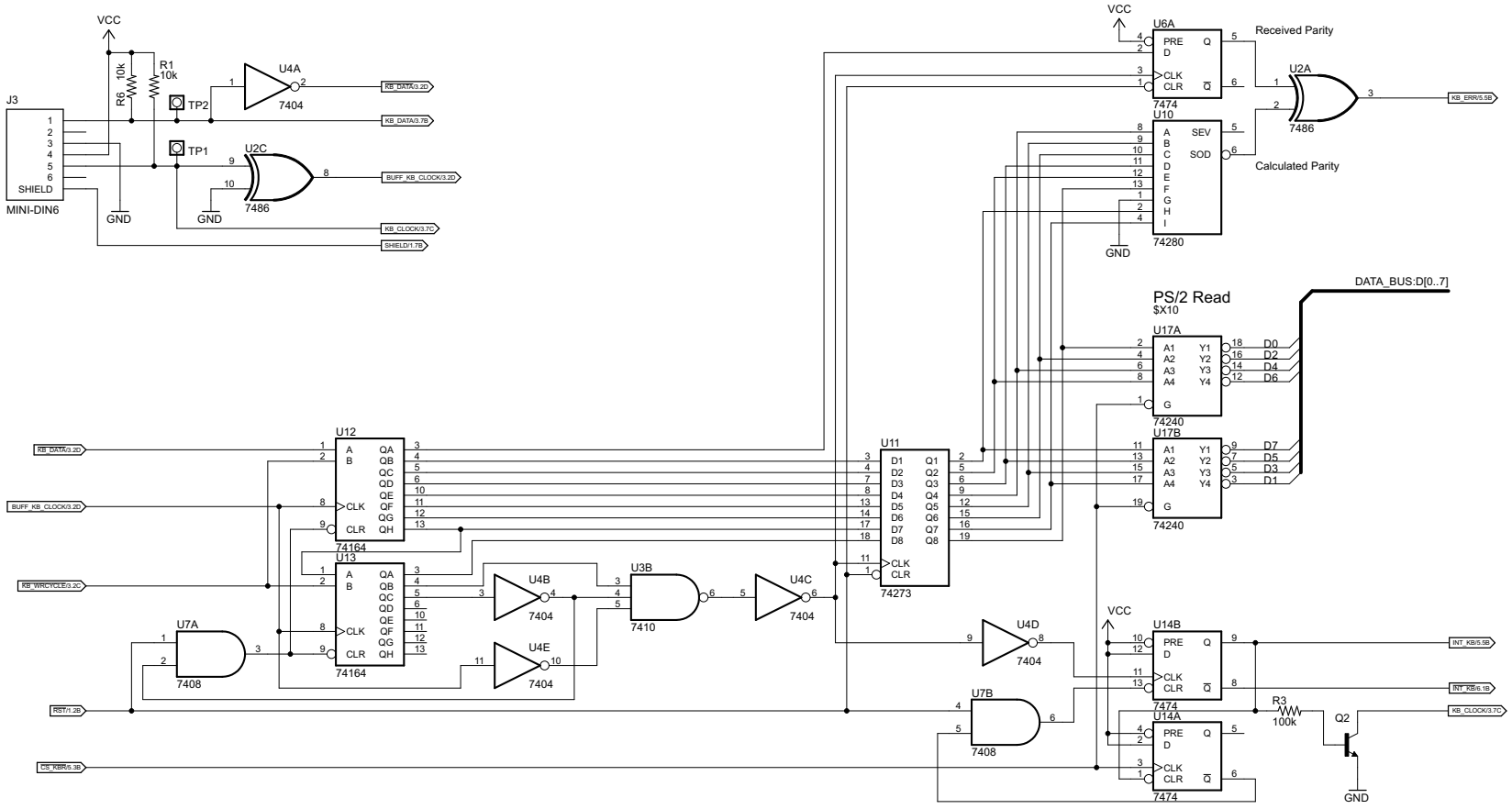
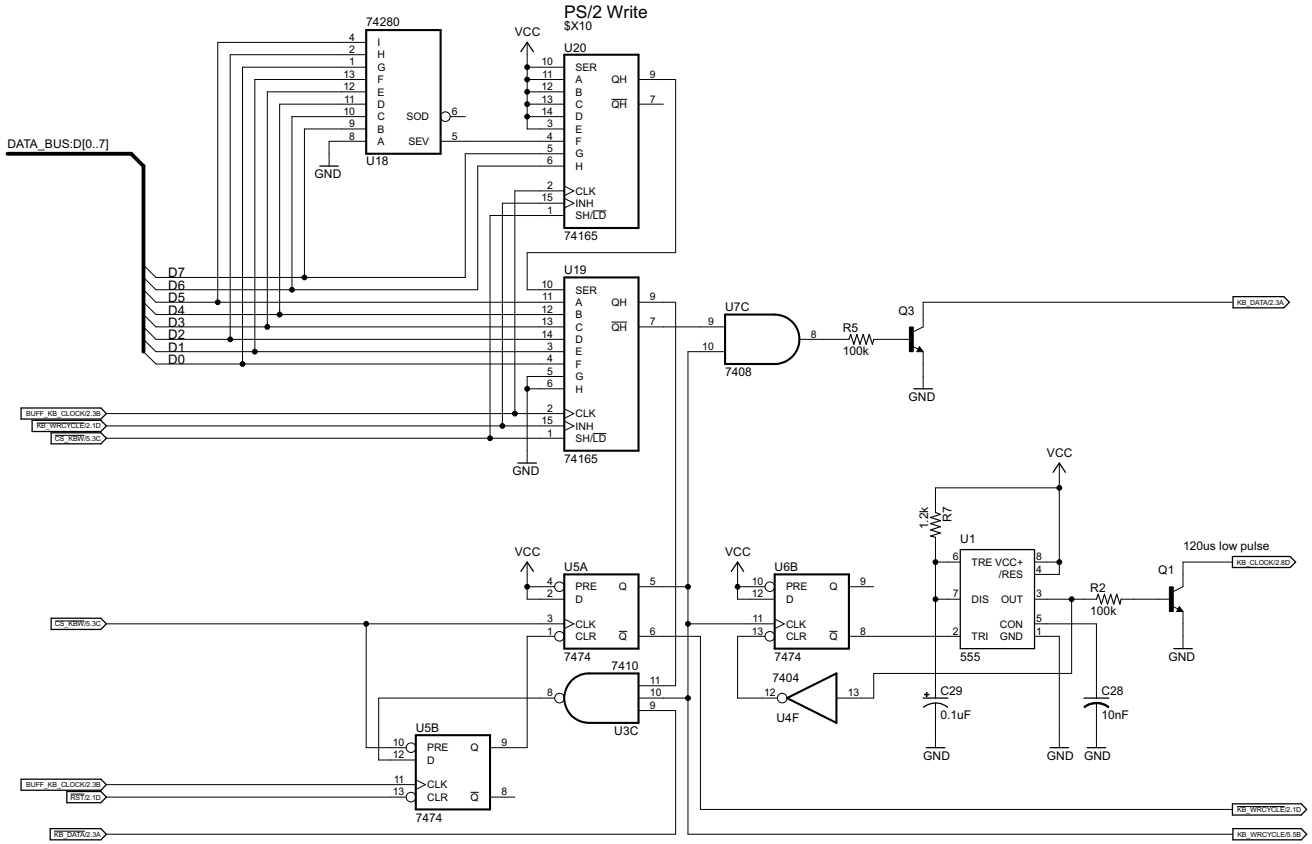


UARTs	
16C550 UARTs and RS-232 drivers	
Project: XMICRO-SERIAL V1.1	Chris Weir
5/27/2019 9:50:26 PM	Sheet:1/6

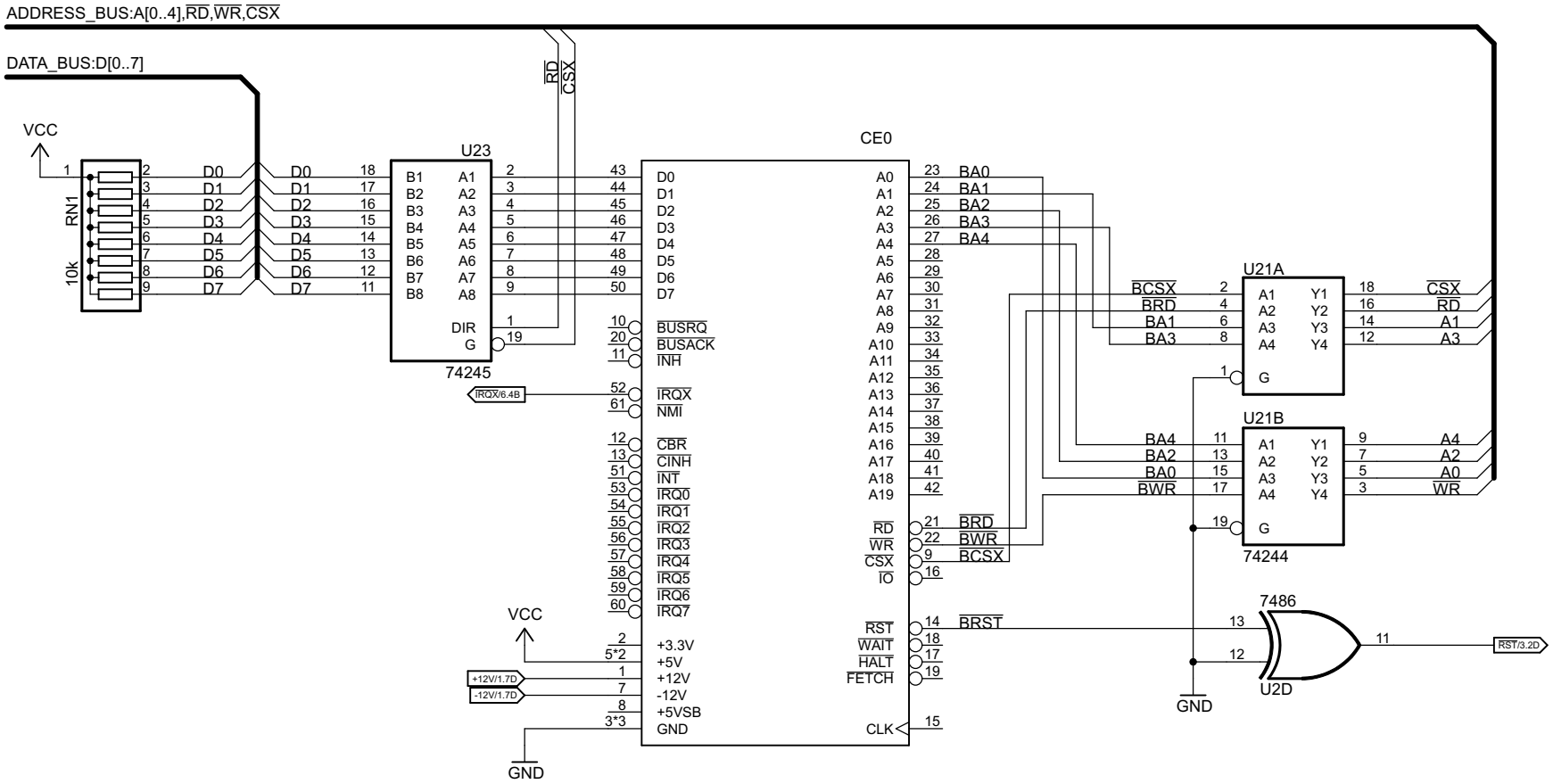
If a parity error is detected, software should wait for the keyboard to finish sending data before reading the data register. (approx. 1ms)
This inhibits the keyboard clock and allows the shift registers to resync with the next transmission, as they were reset when the interrupt was triggered.



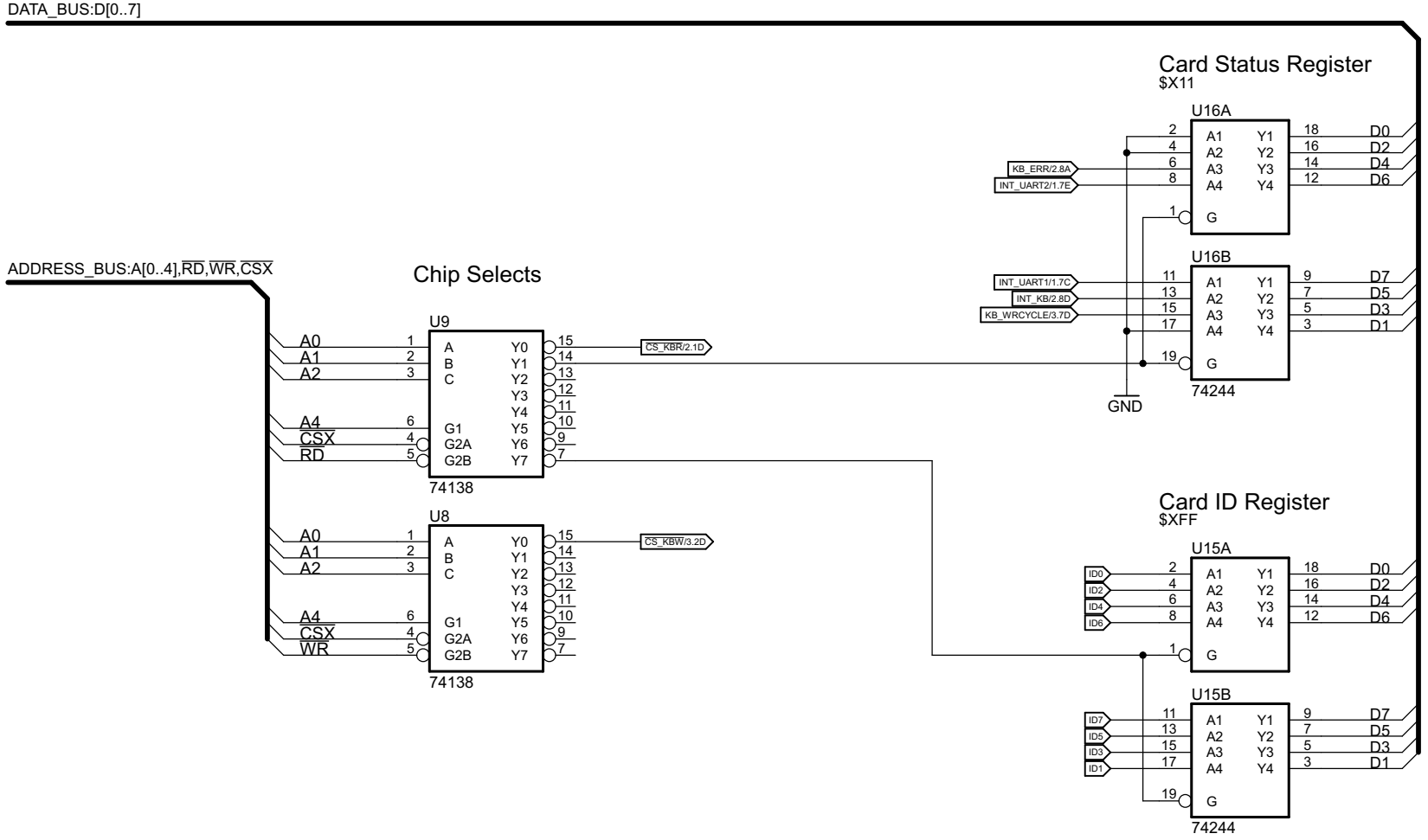
PS/2 Read	
Receives data from PS/2 devices. An interrupt is generated when a byte is received and cleared when the data register is read by the CPU.	
Project: XMICRO-SERIAL V1.1	Chris Weir
5/27/2019 9:50:26 PM	Sheet:2/6



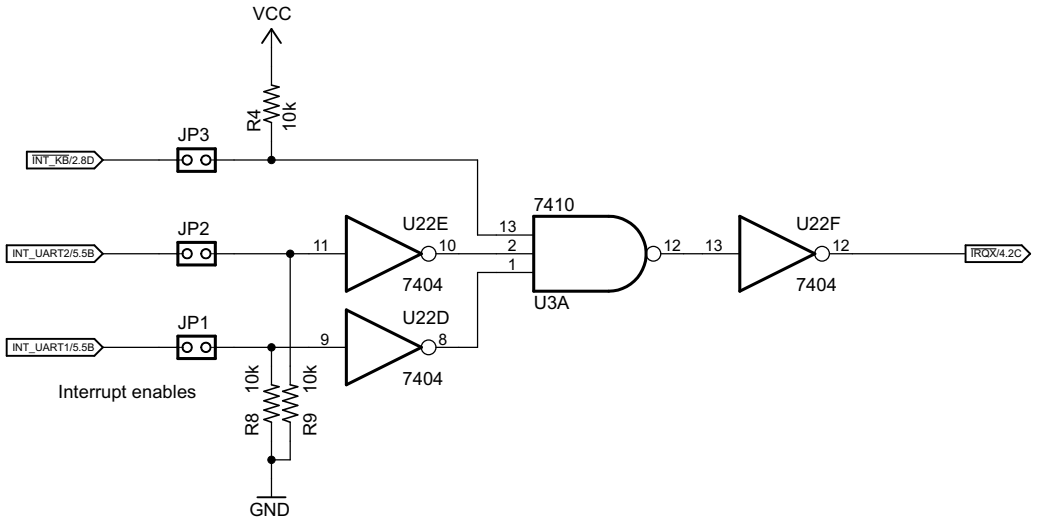
PS/2 Write	
Sends data to PS/2 devices.	
Project: XMICRO-SERIAL V1.1	Chris Weir
5/27/2019 9:50:26 PM	Sheet:3/6

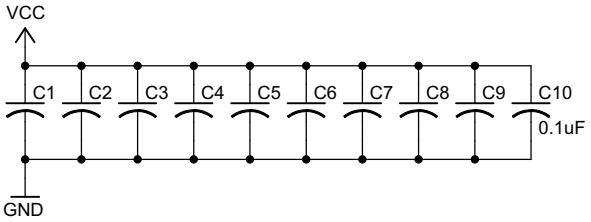


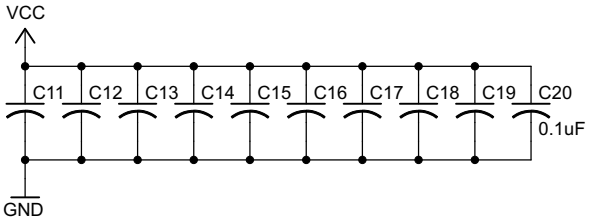
Bus Connector/Buffers	
XMICRO bus interface. Buffers provide isolation and reduced loading on bus lines.	
Project: XMICRO-SERIAL V1.1	Chris Weir
5/27/2019 9:50:26 PM	Sheet: 4/6

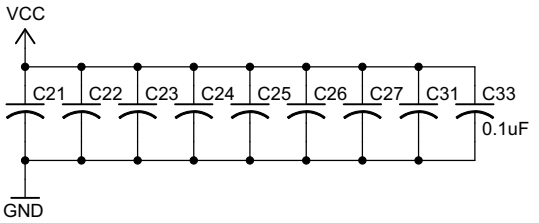


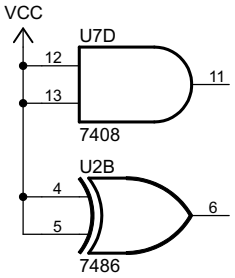
Chip Selects/Card Registers	
Chip select logic and non-specific onboard registers	
Project: XMICRO-SERIAL V1.1	Chris Weir
5/27/2019 9:50:26 PM	Sheet:5/6

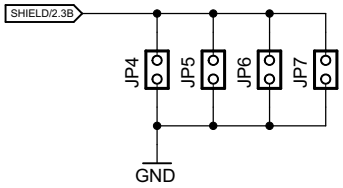


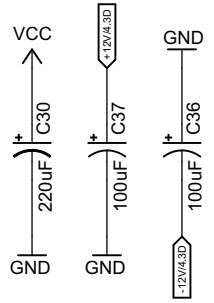












Misc.

Interrupt combiner, bypass capacitors, extra gates, and shield jumpers.

Project: XMICRO-SERIAL V1.1	Chris Weir
5/27/2019 9:50:26 PM	Sheet:6/6