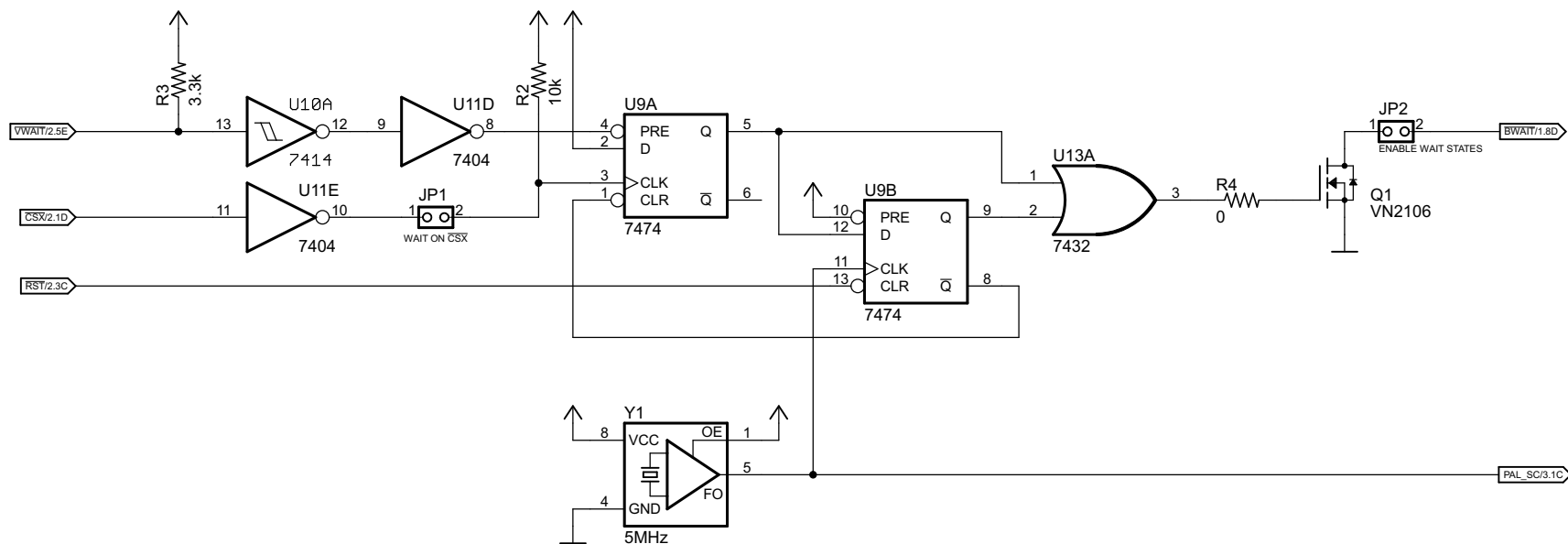


Analog Video	
Analog video processing. Encodes UDP video signals into Composite and S-Video usable by TV sets. Note: PAL operation is untested.	
Project: XMICRO-UDP V1.1	Chris Weir
12/8/2019 7:40:35 PM	Sheet: 3/5



PAL Subcarrier/Wait-state oscillator
Higher frequency shortens wait states.
May be substituted with any frequency up to 5.5MHz on NTSC cards.
PAL cards require 4.43361875MHz

Wait State Generator Operation:
1. Assert WAIT on falling edge of chip select.
2. Hold it for at least one clock cycle.
3. Continue to assert WAIT as long as the VDP is asserting VWAIT.
4. Deassert WAIT at least 1/2 cycle after VWAIT goes high.

Wait-State Generator

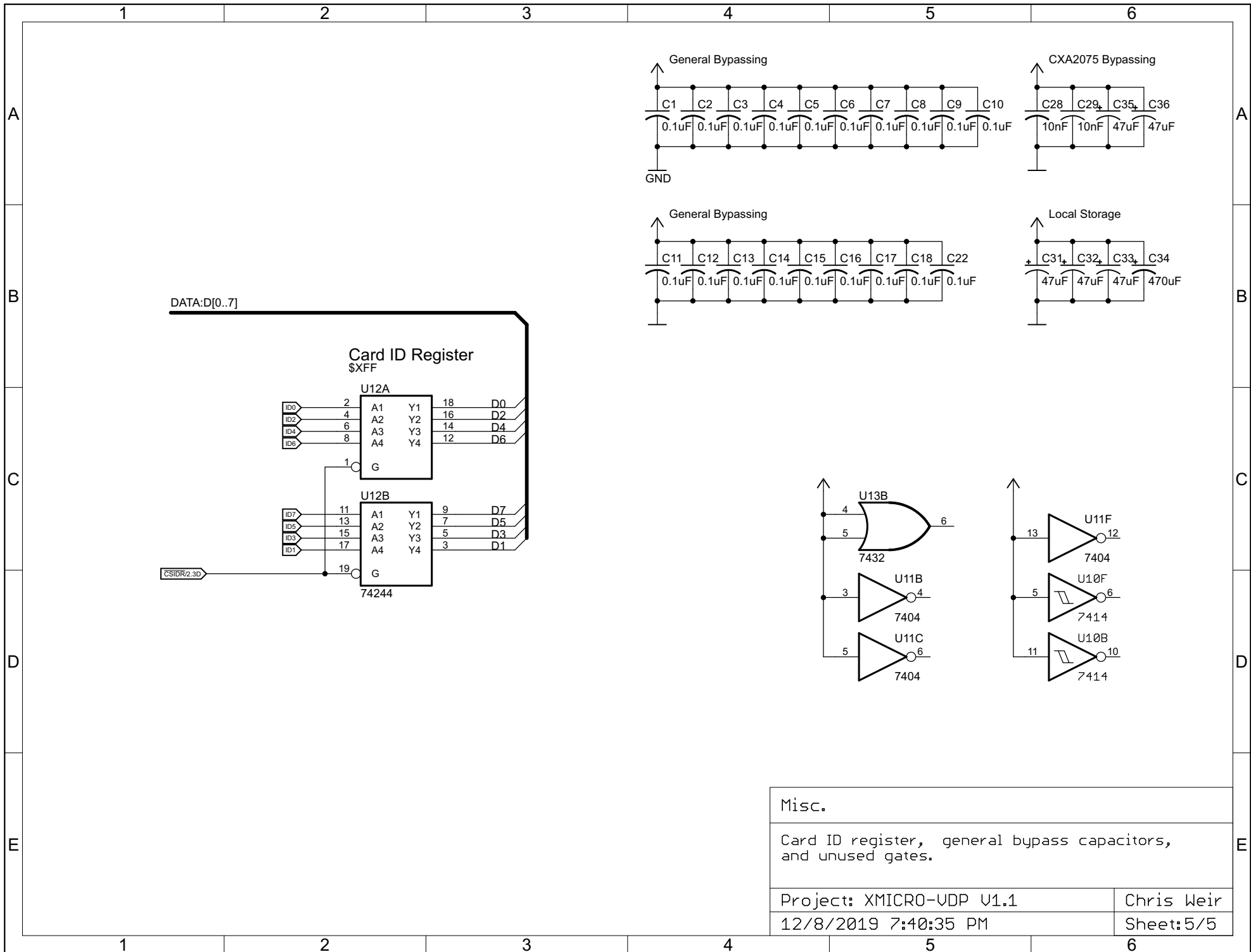
Pauses the CPU until the VDP is ready to complete a read or write cycle.

Project: XMICRO-UVP V1.1

Chris Weir

12/8/2019 7:40:35 PM

Sheet: 4/5



Misc.	
Card ID register, general bypass capacitors, and unused gates.	
Project: XMICRO-UDP V1.1	Chris Weir
12/8/2019 7:40:35 PM	Sheet: 5/5