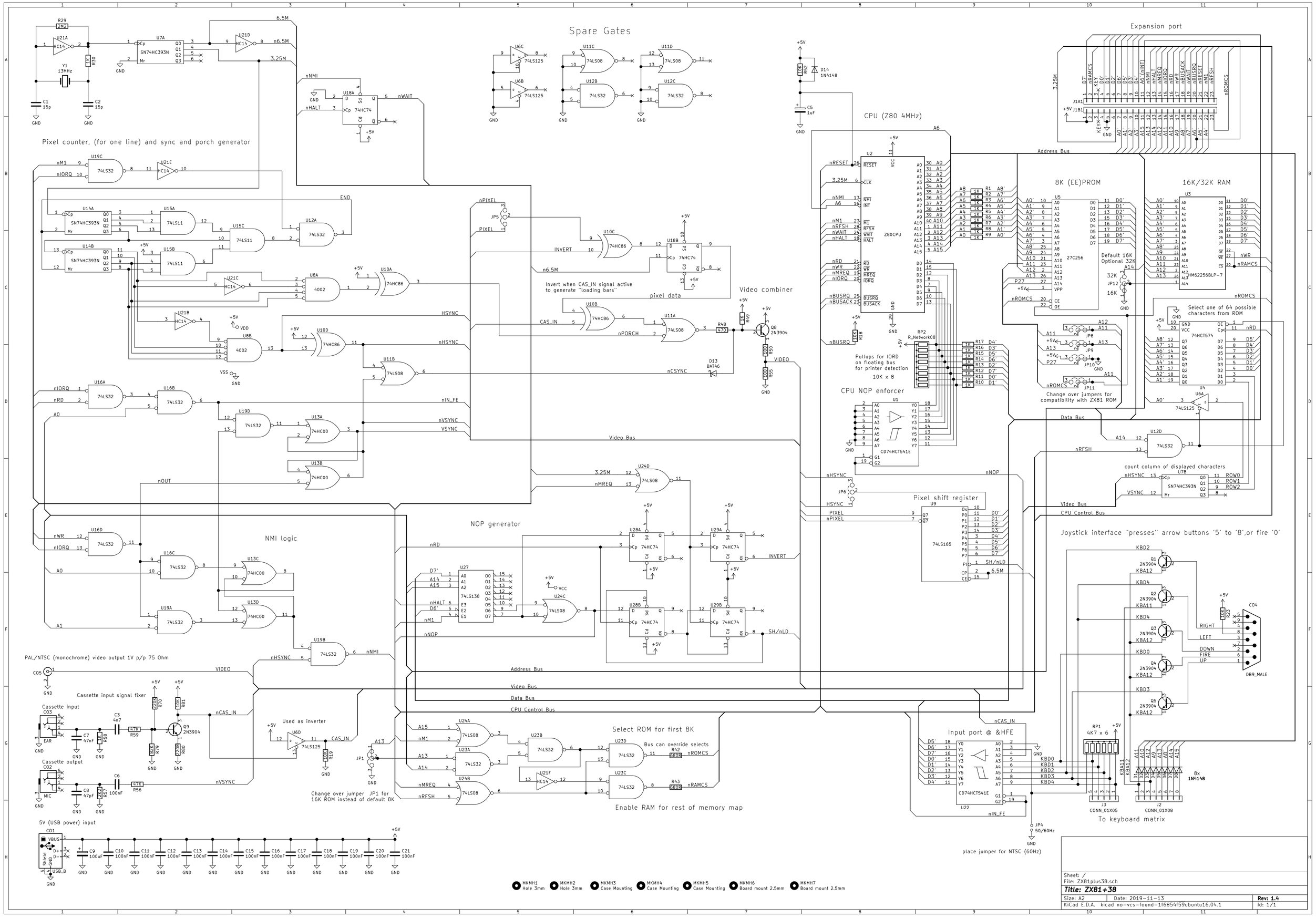
Spare Gates
Pixel counter, (for one line) and sync and porch generator
CPU (Z80 4MHz)
Expansion port
8K (EE)PROM
16K/32K RAM
Video combiner
Pullups for IORD on floating bus for printer detection
10K x 8
CPU NOP enforcer
Pixel shift register
Joystick interface "presses" arrow buttons '5' to '8',or fire '0'
NMI logic
NOP generator
PAL/NTSC (monochrome) video output 1V p/p 75 Ohm
Cassette input signal fixer
Cassette input
Cassette output
5V (USB power) input
Select ROM for first 8K
Enable RAM for rest of memory map
Input port @ &HFE
To keyboard matrix
Sheet: /
File: ZX81plus38.sch
Title: ZX81+38
Size: A2
Date: 2019-11-13
Rev: 1.4
KiCad E.D.A. kicad no-vcs-found-1f6854f59ubuntu16.04.1
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