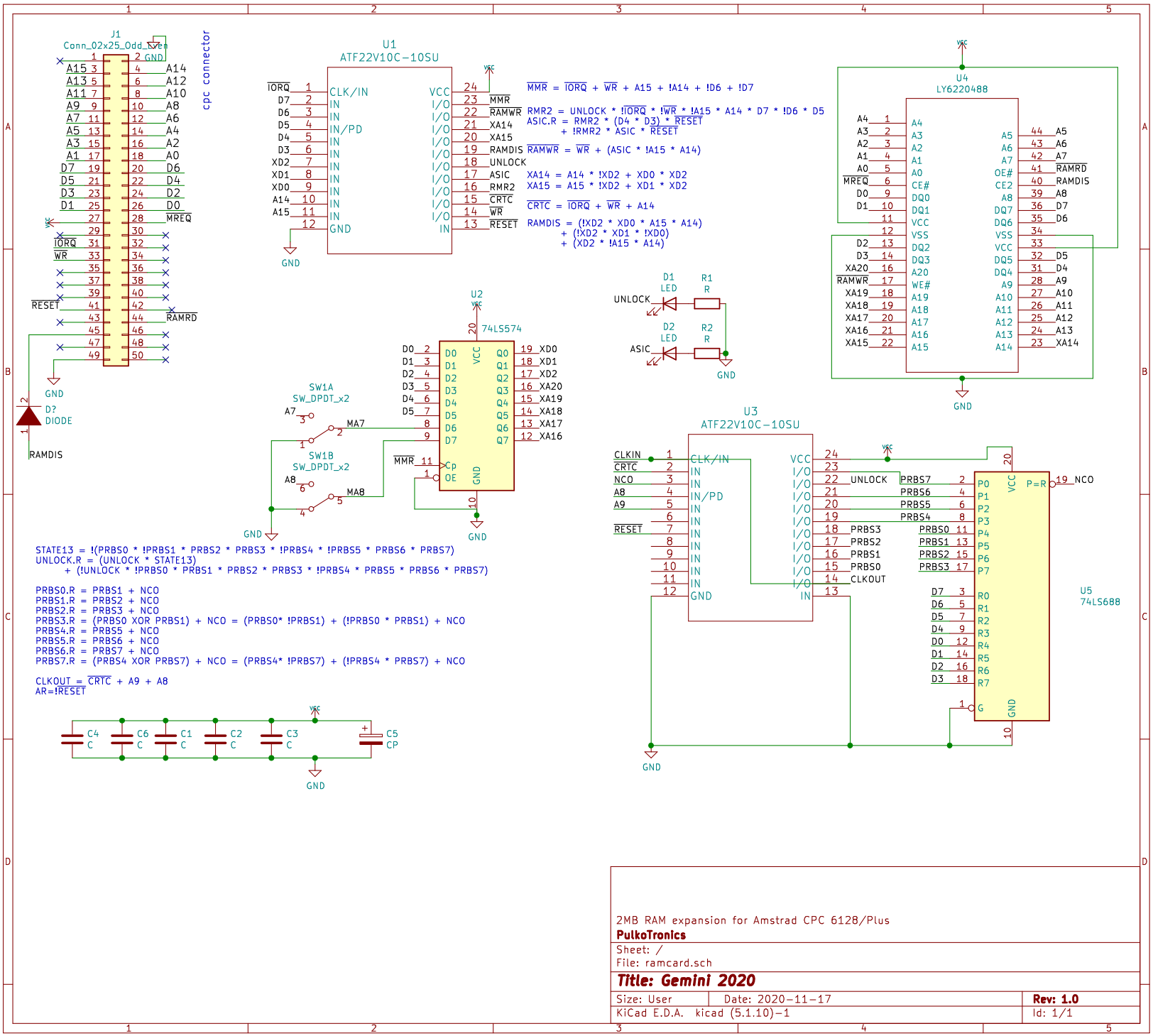
J1
Conn_02x25_Odd_Even
cpc connector
U1
ATF22V10C-10SU
U2
74LS574
U3
ATF22V10C-10SU
U4
LY6220488
U5
74LS688
SW1A
SW_DPDT_x2
SW1B
SW_DPDT_x2
D?
DIODE
RAMDIS
D1
LED
R1
R
D2
LED
R2
R
UNLOCK
ASIC
MMR = IORQ + WR + A15 + !A14 + !D6 + !D7
RAMWR = WR + (ASIC * !A15 * A14)
RMR2 = UNLOCK * !IORQ * !WR * !A15 * A14 * D7 * !D6 * D5
ASIC.R = RMR2 * (D4 * D3) * RESET
+ !RMR2 * ASIC * RESET
XA14 = A14 * !XD2 + XD0 * XD2
XA15 = A15 * !XD2 + XD1 * XD2
CRTC = IORQ + WR + A14
RAMDIS = (!XD2 * XD0 * A15 * A14)
+ (!XD2 * XD1 * !XD0)
+ (XD2 * !A15 * A14)
STATE13 = !(PRBS0 * !PRBS1 * PRBS2 * PRBS3 * !PRBS4 * !PRBS5 * PRBS6 * PRBS7)
UNLOCK.R = (UNLOCK * STATE13)
+ (!UNLOCK * !PRBS0 * PRBS1 * PRBS2 * PRBS3 * !PRBS4 * PRBS5 * PRBS6 * PRBS7)
PRBS0.R = PRBS1 + NCO
PRBS1.R = PRBS2 + NCO
PRBS2.R = PRBS3 + NCO
PRBS3.R = (PRBS0 XOR PRBS1) + NCO = (PRBS0* !PRBS1) + (!PRBS0 * PRBS1) + NCO
PRBS4.R = PRBS5 + NCO
PRBS5.R = PRBS6 + NCO
PRBS6.R = PRBS7 + NCO
PRBS7.R = (PRBS4 XOR PRBS7) + NCO = (PRBS4* !PRBS7) + (!PRBS4 * PRBS7) + NCO
CLKOUT = CRTC + A9 + A8
AR=!RESET
C4 C
C6 C
C1 C
C2 C
C3 C
C5 CP
2MB RAM expansion for Amstrad CPC 6128/Plus
PulkoTronics
Sheet: /
File: ramcard.sch
Title: Gemini 2020
Size: User
Date: 2020-11-17
Rev: 1.0
KiCad E.D.A. kicad (5.1.10)-1
Id: 1/1