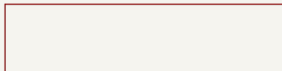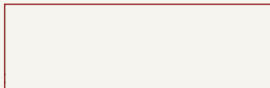Parallel Interface
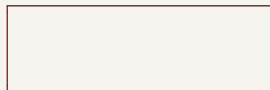
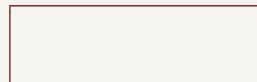File: Parallel.kicad_sch

Serial Interface

File: serialInterface.kicad_sch

W65C02

File: W65C02.kicad_sch

R6502

File: R6502.kicad_sch
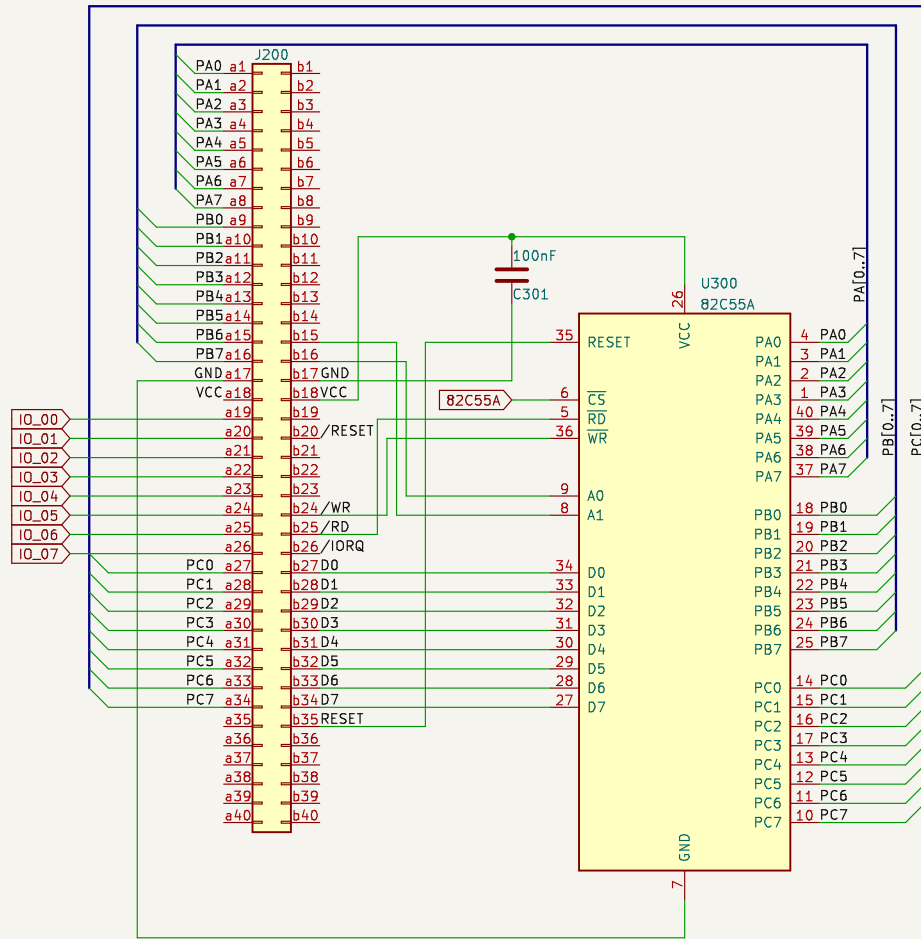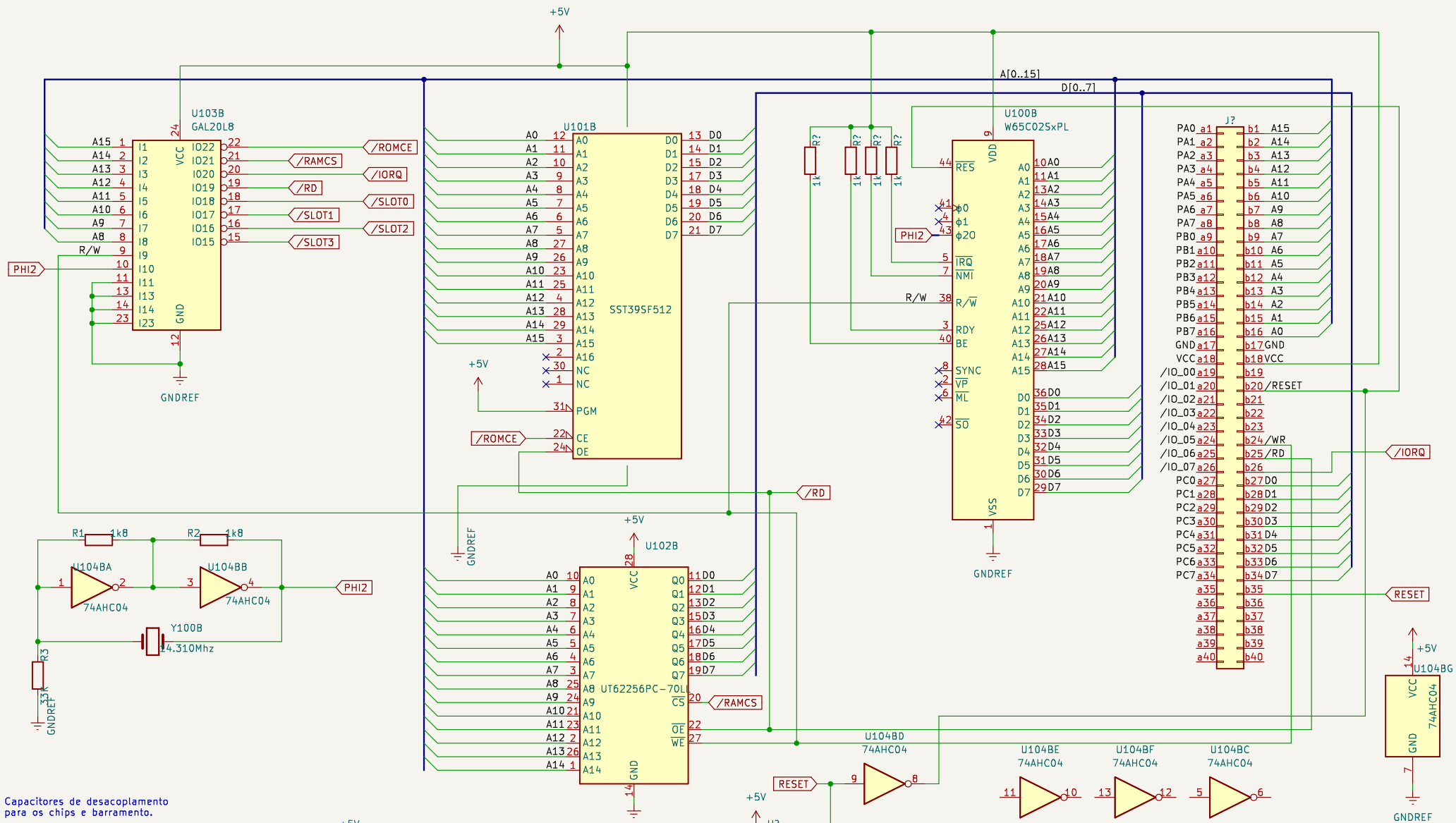
VCC

Adr[0..15]

D[0..7]

C103A 100nF GNDREF

C102A 100nF GNDREF

C101A 100nF GNDREF

C100A 100nF GNDREF

U103A GAL20L8

Adr15 1	I1	IO22 22 /ROMCE
Adr14 2	I2	IO21 21 /RAMWE
Adr13 3	I3	IO20 20 /IORQ
Adr12 4	I4	IO19 19 /RAMCS
Adr11 5	I5	IO18 18 /RAMOE
Adr10 6	I6	IO17 17 /ROMOE
Adr9 7	I7	IO16 16 RESET
Adr8 8	I8	IO15 15 /SLOT2
R/W 9	I9	
PHI2 10	I10	
11	I11	
13	I13	
14	I14	
23	I23	

VCC 24 GND 12 GNDREF

U102A UT62256PC-70LL

Adr0 10	A0	Q0 11 D0
Adr1 9	A1	Q1 12 D1
Adr2 8	A2	Q2 13 D2
Adr3 7	A3	Q3 15 D3
Adr4 6	A4	Q4 16 D4
Adr5 5	A5	Q5 17 D5
Adr6 4	A6	Q6 18 D6
Adr7 3	A7	Q7 19 D7
Adr8 25	A8	CS 20 /RAMCS
Adr9 24	A9	
Adr10 21	A10	OE 22 /RAMOE
Adr11 23	A11	WE 27 /RAMWE
Adr12 2	A12	
Adr13 26	A13	
Adr14 1	A14	

VCC 28 GND 14 GNDREF

U101A SST39SF512

Adr0 12	A0	D0 13 D0
Adr1 11	A1	D1 14 D1
Adr2 10	A2	D2 15 D2
Adr3 9	A3	D3 17 D3
Adr4 8	A4	D4 18 D4
Adr5 7	A5	D5 19 D5
Adr6 6	A6	D6 20 D6
Adr7 5	A7	D7 21 D7
Adr8 27	A8	
Adr9 26	A9	
Adr10 23	A10	
Adr11 25	A11	
Adr12 4	A12	
Adr13 28	A13	
Adr14 29	A14	
3	A15	
2	A16	
30	NC	
1	NC	
31	PGM	
/ROMCE 22	CE	
/ROMOE 24	OE	

VCC GNDREF

X100A 1.8Mhz
Vcc OUT 8
GND
PHI2

R100A 1k
R101A 1k
R102A 1k

U100A R6502

D0 33	D0	A0 9 Adr0
D1 32	D1	A1 10 Adr1
D2 31	D2	A2 11 Adr2
D3 30	D3	A3 12 Adr3
D4 29	D4	A4 13 Adr4
D5 28	D5	A5 14 Adr5
D6 27	D6	A6 15 Adr6
D7 26	D7	A7 16 Adr7
		A8 17 Adr8
Phi1 3		A9 18 Adr9
Phi2 37		A10 19 Adr10
RESET 40		A11 20 Adr11
NMI 6		A12 22 Adr12
HALT 2		A13 23 Adr13
IRQ 4		A14 24 Adr14
TSC 39		A15 25 Adr15
DBE 36		
		BA 7
		VMA 5
VSS 1	VSS 21	R/W 34 R/W

VCC 8 GNDREF

C104A 100nF GNDREF

J?

PA0	a1	b1	Adr15	
PA1	a2	b2	Adr14	
PA2	a3	b3	Adr13	
PA3	a4	b4	Adr12	
PA4	a5	b5	Adr11	
PA5	a6	b6	Adr10	
PA6	a7	b7	Adr9	
PA7	a8	b8	Adr8	
PB0	a9	b9	Adr7	
PB1	a10	b10	Adr6	
PB2	a11	b11	Adr5	
PB3	a12	b12	Adr4	
PB4	a13	b13	Adr3	
PB5	a14	b14	Adr2	
PB6	a15	b15	Adr1	
PB7	a16	b16	Adr0	
GND	a17	b17	GND	
VCC	a18	b18	VCC	
/IO_00	a19	b19		
/IO_01	a20	b20	/RESET	
/IO_02	a21	b21		
/IO_03	a22	b22		
/IO_04	a23	b23		
/IO_05	a24	b24	/WR	
/IO_06	a25	b25	/RD	
/IO_07	a26	b26		
PC0	a27	b27	D0	
PC1	a28	b28	D1	
PC2	a29	b29	D2	
PC3	a30	b30	D3	
PC4	a31	b31	D4	
PC5	a32	b32	D5	
PC6	a33	b33	D6	
PC7	a34	b34	D7	
	a35	b35		
	a36	b36		
	a37	b37		
	a38	b38		
	a39	b39		
	a40	b40		

VCC

C105A 100uF GNDREF

/RAMOE

/IORQ

RESET

/RESET