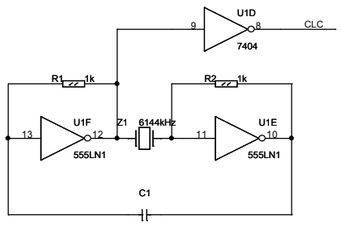
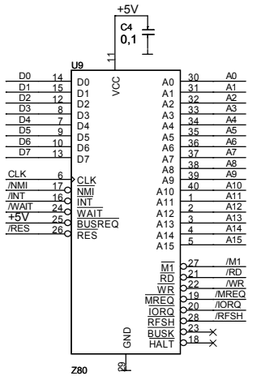
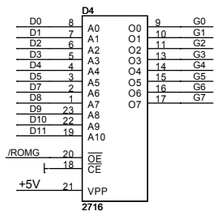
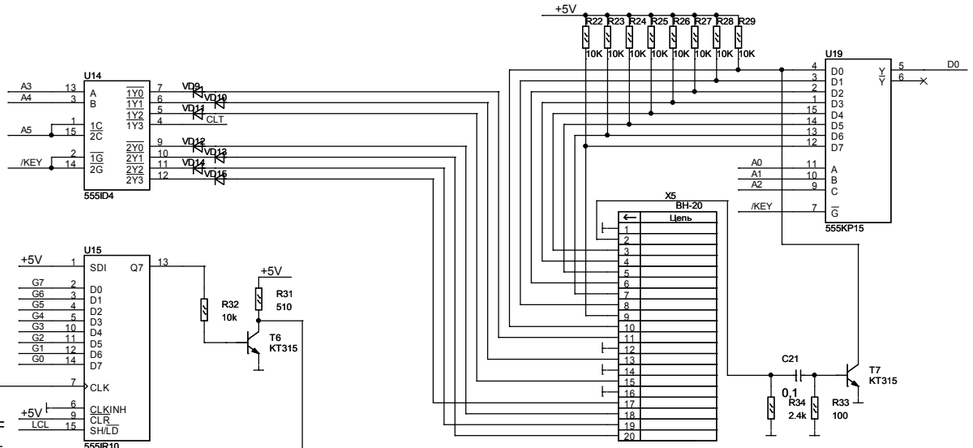
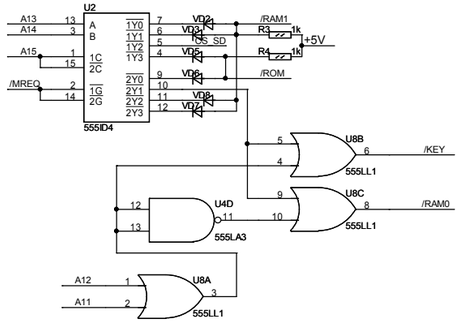
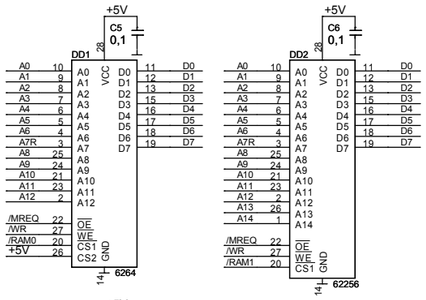

U1D
7404
CLC
R1 1k
R2 1k
U1F
555LN1
Z1 6144kHz
U1E
555LN1
C1
4n7

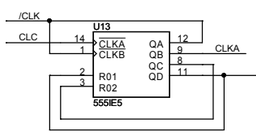

C4 0,1
U9
Z80
D0 D1 D2 D3 D4 D5 D6 D7
CLK /NMI /INT /WAIT +5V /RES
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14 A15
M1 RD WR MREQ IORQ RFSH BUSK HALT
BUSREQ RES
VCC GND

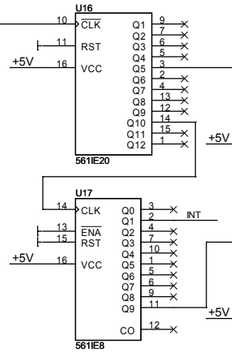

D4
2716
/ROMG
+5V
VPP
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10
O0 O1 O2 O3 O4 O5 O6 O7
G0 G1 G2 G3 G4 G5 G6 G7
OE CE

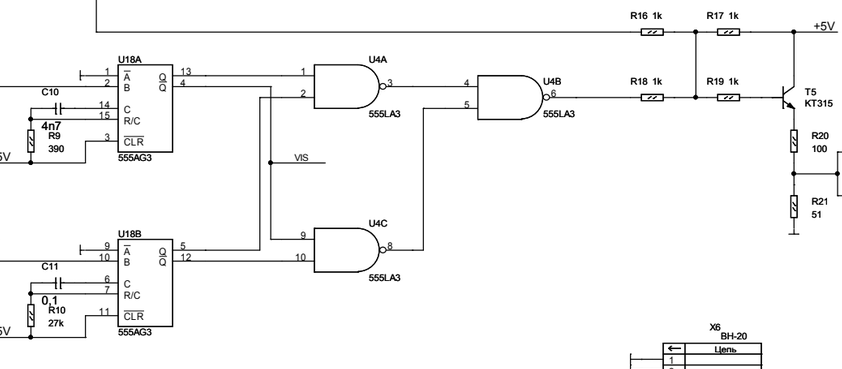

+5V
R22 R23 R24 R25 R26 R27 R28 R29
10K
U14
555ID4
/KEY
VD9 VD10 VD11 VD12 VD13 VD14 VD15
CLT
U19
555KP15
X5
BH-20
Цепь
U15
555IR10
SDI Q7 D0 D1 D2 D3 D4 D5 D6 D7 CLK CLKINH CLR SHLD
R32 10k
R31 510
T6 KT315
T7 KT315
C21 0,1
R34 2.4k
R33 100
C23 240p
CLC
LCL

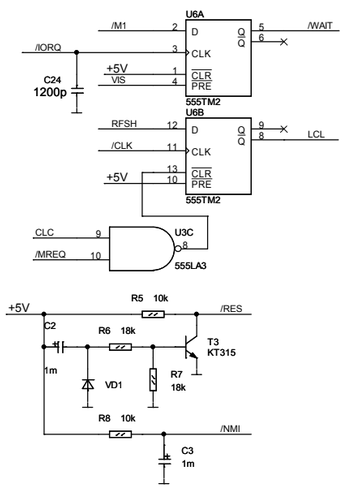

U2
555ID4
/MREQ
/RAM1
/ROM
R3 1k
R4 1k
+5V
U8B
555LL1
/KEY
U4D
555LA3
U8C
555LL1
/RAM0
U8A
555LL1
A12
A11

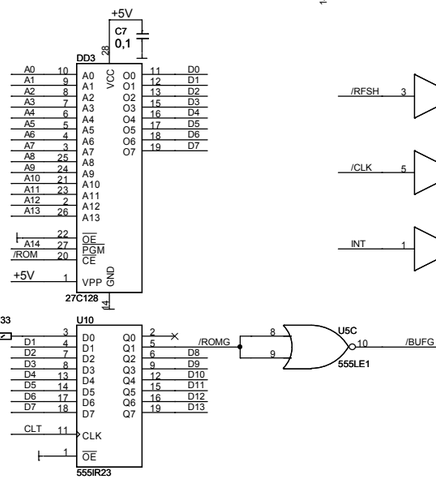

C5 0,1
DD1
6264
C6 0,1
DD2
62256
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14
D0 D1 D2 D3 D4 D5 D6 D7
/MREQ /WR /RAM0 /RAM1 +5V
OE WE CS1 CS2 VCC GND

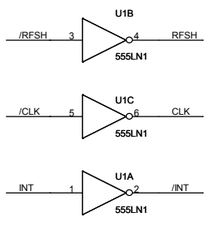

/CLK
CLC
U13
555IE5
CLKA
CLKB QA QB QC QD
R01 R02

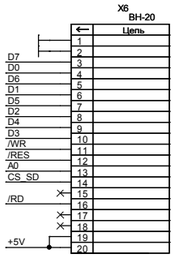

U16
561IE20
CLK RST VCC Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12
C10
4n7
R9 390
U18A
555AG3
U17
561IE8
ENA
INT
C11 0,1
R10 27k
U18B
555AG3
R C CLR


U4A
555LA3
U4B
555LA3
U4C
555LA3
VIS
R16 1k
R17 1k
R18 1k
R19 1k
+5V
T5 KT315
R20 100
C18
0,47
C19 1m
4,7m
R21 51
J1
CON2

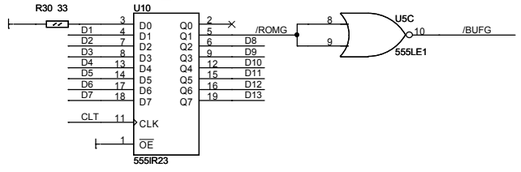

U6A
U6B
555TM2
/M1
/IORQ
/WAIT
LCL
RFSH
/CLK
C24 1200p
+5V
VIS
U3C
555LA3
CLC
/MREQ

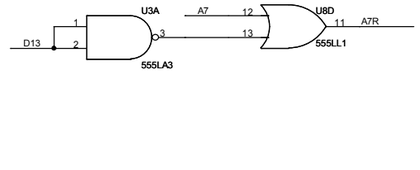

C7 0,1
DD3
27C128
A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14
D0 D1 D2 D3 D4 D5 D6 D7
/ROM +5V
OE PGM CE VPP GND

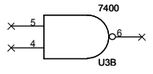

U1B
555LN1
/RFSH
RFSH
U1C
/CLK
CLK
U1A
INT
/INT

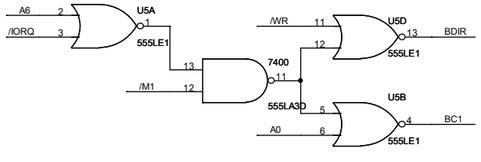

X6
BH-20
Цепь
D7 D0 D6 D1 D5 D2 D4 D3 /WR /RES A0 CS_SD /RD +5V

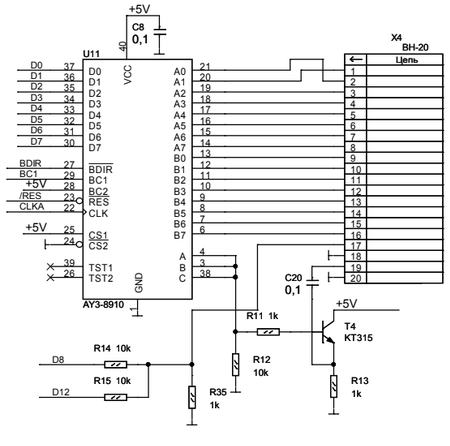
+5V
R5 10k
/RES
C2
R6 18k
T3 KT315
1m
VD1
R7 18k
R8 10k
/NMI
C3 1m

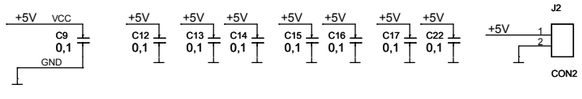

R30 33
U10
555IR23
D0 D1 D2 D3 D4 D5 D6 D7
Q0 Q1 Q2 Q3 Q4 Q5 Q6 Q7
CLT
/ROMG
D8 D9 D10 D11 D12 D13
U5C
555LE1
/BUFG


U3A
555LA3
D13
A7
U8D
555LL1
A7R


7400
U3B


U5A
555LE1
A6
/IORQ
7400
555LA3
/M1
U5D
/WR
BDIR
U5B
A0
BC1


C8 0,1
U11
AY3-8910
X4
BH-20
Цепь
D0 D1 D2 D3 D4 D5 D6 D7
BDIR BC1 BC2 RES CLK CS1 CS2 TST1 TST2
A0 A1 A2 A3 A4 A5 A6 A7 B0 B1 B2 B3 B4 B5 B6 B7
A B C
C20 0,1
R11 1k
T4 KT315
R12 10k
R13 1k
R14 10k
R15 10k
R35 1k
D8
D12


+5V
C9 0,1
GND
C12 C13 C14 C15 C16 C17 C22
0,1
J2
CON2